



Tank Mixes

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2016-7922
Application: Tank Mixes
Product: Rexade A Herbicide
Registration Number: 32520
Active ingredients (a.i.): Halauxifen, Pyroxsulam
PMRA Document Number : 2773460

Background

Rexade A Herbicide was first registered December 2, 2016. Rexade A Herbicide is registered for post-emergent application at 100 g/ha (20 g a.i./ha) in combination with Intake Adjuvant at 0.5-1.0% v/v of the spray solution for control of multiple annual grass and broadleaved weeds in spring wheat, including durum wheat, and winter wheat. 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 Rexade A Herbicide to include the option of its application with a non-ionic surfactant at 0.25% v/v.

Chemistry Assessment

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

Health and Environmental Assessment

Health and environmental assessments were not required as the only change to the use pattern was the option to use an alternative adjuvant with Rexade A herbicide. There were no changes to host crops, application methods, timings and rate.

Value Assessment

The option to use a non-ionic surfactant with Rexade A Herbicide will provide growers greater flexibility to select a surfactant based on price and availability.

In small-scale field trials, the level of control of each of several labelled weed species: wild oat, redroot pigweed, volunteer canola, shepherd's-purse, lamb's-quarters, hemp-nettle, cleavers, wild buckwheat and lady's-thumb that was achieved following application of 100 g/ha Rexade A Herbicide plus 0.25% v/v of the non-ionic surfactant "Liberate Adjuvant" was similar to that of

the same rate of Rexade A Herbicide plus 0.5% v/v Intake Adjuvant. In these trials, spring wheat exhibited a high level of tolerance to Rexade A Herbicide, regardless of whether 0.5% v/v Intake Adjuvant or 0.25% v/v Liberate Adjuvant was included in the spray solution. Similarly, Intake Adjuvant and a non-ionic surfactant would not be expected to differentially affect the level of tolerance of durum wheat or winter wheat when included in the spray solution at their respective concentrations.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support post-emergent application of 100 g/ha Rexade A Herbicide plus 0.25% v/v non-ionic surfactant to wheat (spring, durum, winter) for the control or suppression of labelled weed species.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2709393	2016, (GF-3339) Rexade A + Liberate NIS - Trial Reports (7), DACO: 10.2.3.3,10.3.2
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