

New Tank Mix

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2022-4178
Application: New Tank Mix
Product: Everest 3.0 AG Herbicide
Registration Number: 33258
Active ingredients (a.i.): Flucarbazone
PMRA Document Number: 3421040

Background

Everest 3.0 AG Herbicide, containing 200 g flucarbazone/L was first registered on November 6, 2018. It is registered for use in the Prairie Provinces and the Peace River Region of British Columbia as a foliar application to wheat using ground or aerial application equipment for control or suppression of certain broadleaved and grass weed species. Everest 3.0 AG Herbicide may be applied as the lone herbicide at 72-144 mL product/ha in combination with a non-ionic surfactant and in tank mixtures with other post-emergence herbicides, such as Akito Herbicide, which is included on the Everest 3.0 AG Herbicide label as a tank mix partner for spring wheat, including durum. 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 amend the Everest 3.0 AG Herbicide label to include the option of its application to wheat (spring, durum, winter types) at labelled rates in a tank mixture with the plant growth promoting supplement products "Ohm" or "Wave", each containing extract of the aquatic plant, *Ascophyllum nodosum*, at labelled rates of 1000 and 150 mL product/ha, respectively. An additional purpose of this application was to include the option of applying Ohm or Wave in a tank mixture with Everest 3.0 AG Herbicide plus Akito Herbicide.

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 there was no change to host crops, application methods and timings and since there was no increase in application rate.

Value Assessment

Value information was submitted in the form of efficacy and crop phytotoxicity data generated in field trials. The data demonstrated that Ohm at 1000 mL product/ha or Wave at 150 mL product/ha did not negatively impact the efficacy of Everest 3.0 AG Herbicide applied with a non-ionic surfactant and whether or not Akito Herbicide was added to the spray mixture. The tolerance of spring wheat and durum wheat to Everest 3.0 AG Herbicide applied with or without Akito Herbicide was not affected by the addition of Ohm or Wave. While crop phytotoxicity data were not specifically generated for winter wheat, it would not be expected that Ohm or Wave would impact the tolerance of this crop to Everest 3.0 AG Herbicide in the collective consideration that this herbicide was already registered for use on winter wheat, is applied at the same crop growth stage as spring wheat and durum wheat, and the lack of any impact of Ohm or Wave on the tolerance of the two tested wheat types to Everest 3.0 AG Herbicide applied at its maximum rate in combination with a non-ionic surfactant.

The labelled tank mixtures of Everest 3.0 AG Herbicide plus Ohm or Wave with or without addition of Akito Herbicide presents growers of wheat with a new one-pass option of applying these products.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support the use of tank mixtures of Everest 3.0 AG Herbicide applied at 72-144 mL/ha plus a non-ionic surfactant at 0.25% v/v plus 1000 mL/ha Ohm or 150 mL product/ha Wave with or without addition of Akito Herbicide when applied in accordance with the Everest 3.0 AG Herbicide label.

References

List of Studies/Information Submitted by Registrant

Value Assessment

3391910	2022, Flucarbazono / Wheat / Efficacy, DACO: 10.2.3.3(B),10.3.2(A)
3391912	2022, Flucarbazono / Wheat / Efficacy, DACO: 10.2.3.3(B),10.3.2(A)

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