

Evaluation Report for Category B, Subcategory B3.11 Application

Application Number: 2020-3980
Application: New or Changes to Product Labels – New Pests
Product: Laudis Herbicide
Registration Number: 31721
Active Ingredient (a.i.): 420g/L Tembotrione
PMRA Document Number: 3191690

Background

Laudis Herbicide is registered for post-emergent control of annual grasses and broadleaf weeds in field and sweet corn. Laudis Herbicide is to be used in conjunction with Hasten Spray Adjuvant + liquid nitrogen fertilizer (28% UAN). 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 add four new weeds (kochia, waterhemp, giant ragweed and Canada fleabane) to the Laudis Herbicide label and to amend the claim of control of common ragweed with the low rate of Laudis Herbicide to the high rate. In addition to this, the claims for control of labeled weeds resistant to the following modes of action: Group 4: Synthetic Auxins; Group 5: Photosystem II inhibitors; Group 9: EPSP synthase inhibitors; Group 14: PPO inhibitors, is also included.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Information submitted for review included data from small-scale field trials conducted in the US and Canada between 2004 and 2019. The data support the following claims on the Laudis Herbicide label:

- a claim of control of waterhemp with 220 ml/ha
- a claim of control of giant ragweed with 220 ml/ha
- a claim of control of Canada fleabane with 220 ml/ha
- a claim of control of kochia with 180 ml/ha

A scientific rationale supported an increase in rate for the control of glyphosate-resistant common ragweed from 145 to 220 ml/ha. In addition, a claim of control of labelled weeds resistant to the following groups can also be supported based on the data and scientific rationales provided: Group 4: Synthetic Auxins; Group 5: Photosystem II inhibitors; Group 9: EPSP synthase inhibitors; Group 14: PPO inhibitors.

Expansion of the Laudis Herbicide label to include these additional weed species as well as labeling for more herbicide resistant weeds gives users better information and flexibility to manage their weed populations.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the inclusion of the four new weed species, amended claim control and expanded herbicide resistant weed claims on the Laudis Herbicide label, as described above.

References

List of Studies/Information Submitted by Registrant

- 3149834 2020, VALUE ASSESSMENT: Laudis Herbicide Data supporting the addition of weeds and tank-mixes to the label - Field Trial Reports, DACO: 10.2.3,10.2.3.3(B)
- 3186152 DACO: 10.1 Value Summary

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