

## Evaluation Report for Category B, Subcategories 3.5 & 3.12 Application

**Application Number:** 2022-4453  
**Application:** Changes to Product Labels – Rotational Crops/Plantback Interval, New Site or Host  
**Product:** Laudis Herbicide  
**Registration Number:** 31721  
**Active ingredient (a.i.):** Tembotrione  
**PMRA Document Number:** 3498060

### Purpose of Application

The purpose of this application was to amend the label of the end-use product, Laudis Herbicide, by revising the restriction for use in Eastern Canada and Manitoba only to also include Saskatchewan and Alberta, adding seed corn as a crop, and adding new rotational crop claims.

### Health Assessments

Chemical handler and post-application worker exposure risk assessments were conducted, and calculated margins of exposure (MOEs) surpassed the target MOE. No health risks of concern were identified for workers or bystanders provided that appropriate personal protective equipment are worn and all label directions are followed.

No new residue data for tembotrione in corn were submitted or were required to support the revision of geographic restrictions, the addition of seed corn, and the revision of rotational restrictions on the Laudis Herbicide label. Previously reviewed residue data from field trials conducted in/on field corn and sweet corn were reassessed in the framework of this application. A processing study in treated field corn was also reassessed to determine the potential for concentration of residues of tembotrione into processed commodities. In addition, confined and field rotational studies were reassessed in the framework of this application.

A toxicological assessment was not required for this application.

### Environmental Assessment

After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the use of Laudis Herbicide in Eastern Canada, Manitoba, Saskatchewan, and Alberta are acceptable when used according to the label directions.

### Value Assessment

The revision of the geographic restriction and inclusion of seed corn as a host crop provides users the option to manage both grasses and broadleaf weeds in corn,

including seed corn, in Eastern Canada, Manitoba, Saskatchewan, and Alberta. Inclusion of more rotational crops gives farmers more flexibility to arrange rotational crops after an application of Laudis Herbicide.

Value information submitted for review included precedent registrations, use history information, scientific rationales, and data from replicated field trials. The applicant also cross-referenced relevant value information in the PMRA database. This information collectively supported the revision of the geographic restriction, inclusion of seed corn as a host crop, and inclusion of more crops as immediate plant-back and/or rotational crops on the Laudis Herbicide label.

### **Chemistry Assessment**

A chemistry assessment was not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendments to the Laudis Herbicide product label.

## References

| <b>PMRA Document Number</b> | <b>Reference</b>  |
|-----------------------------|---|
| 3385901                     | 2022, Laudis Herbicide: Data supporting the addition of seed corn and rotational crops to the LAUDIS Herbicide label, DACO: 10,10.1,10.2.1, 10.2.2,10.2.3,10.2.3.1,10.2.4,10.3,10.3.1,10.3.2(A),10.3.3              |
| 3385902                     | 2022, Compilation of trial reports: Laudis Herbicide: Data supporting the addition of seed corn and rotational crops to the LAUDIS Herbicide label, DACO: 10,10.1,10.3,10.3.3                                       |
| 3385903                     | 2022, LAUDIS Herbicide: National Label - Bridging rationale for DACO 10 Value, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.3(B),10.3, 10.3.1,10.3.2,10.3.2(A),10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4 |

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