

Evaluation Report for Category B, Subcategory 3.5 Application

Application Number: 2021-0096
Application: Changes to Product Label – Rotational Crops/Plantback Interval
Product: LAUDIS HERBICIDE
Registration Number: 31721
Active ingredient (a.i.): Tembotrione
PMRA Document Number: 3327722

Purpose of Application

The purpose of this application was to amend the label of LAUDIS HERBICIDE, to add canola as a rotational crop that can be planted 10 months after single post-emergent application of the end-use product in corn. In addition, a “Field Bioassay” advisory statement was added to the rotational crop section of the label.

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Health Assessments

No new residue data for tembotrione were submitted to support the addition of canola as a rotational crop to the label of LAUDIS HERBICIDE.

Previously reviewed residue data for tembotrione from a confined crop rotation trial study conducted with the rotational crops Swiss chard, turnip and wheat, and field crop rotational trial studies conducted with the rotational crops mustard, turnip, summer squash, bell pepper and winter wheat were reassessed in the framework of this application.

Based on this assessment, no quantifiable residues of tembotrione or the metabolite M5, are expected in/on rotated canola commodities as a result of this action. Consequently, dietary exposure to residues of tembotrione is not expected to increase, and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Occupational exposure and toxicology assessments were not required for this application.

Value Assessment

The addition of canola as a rotational crop provides farmers more flexibility to arrange rotational crops on fields treated with Laudis Herbicide.

The registrant cross-referenced value information existing in the PMRA database and submitted additional data from replicated field trials. This information collectively demonstrated that canola can be safely planted to fields 10 months after the tembotrione treatment at up to 92 g a.i./ha.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the addition of canola as a rotational crop and the “Field Bioassay” advisory statement to the label of LAUNDIS HERBICIDE.

References

PMRA Document Number

References

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| 2291883 | 2013, Vios G3 herbicide - Data to support additional rotational crops, DACO: 10.1, 10.3, and 10.3.3. |
| 3188554 | 2021, Part 10 value supplement: Laudis Herbicide -Addition of canola as a rotational crop, DACO: 10.1, 10.3, and 10.3.3. |

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