

Evaluation Report for Category B, Subcategory 3.3 Application

Application Number: 2016-7883
Application: Changes to Product Labels - Application Number or Frequency
Product: Armezon Herbicide
Registration Number: 30131
Active ingredients (a.i.): Topramezone
PMRA Document Number: 2782463

Purpose of Application

Armezon Herbicide is a systemic post-emergence herbicide registered for the selective control of grasses and broadleaf weeds in corn grown across Canada. The purpose of this application was to amend the Armezon Herbicide label, including an option for a sequential application at a rate of 12.5 g a.i./ha for control of secondary flushes of volunteer canola in corn. The application rate does not exceed a maximum season application rate of 74 mL/ha (25 g a.i./ha) of Armezon Herbicide.

Chemistry Assessment

A chemistry assessment was not required for this application

Health Assessment

A toxicology assessment was not required for this application

The addition of a second application of Armezon Herbicide to field corn is not expected to result in risks of concern from occupational or bystander exposures to topramezone when the label directions and precautions are followed, which include wearing the required personal protective equipment.

No residue data were submitted to support the addition of a second application of Armezon Herbicide on corn. The previously reviewed data was reassessed in the framework of the current submission and confirmed that the use of Armezon Herbicide is not expected to result in an increase in the magnitude of topramezone residues in/on the treated crops that would exceed the current MRLs. Therefore, the use of Armezon Herbicide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of topramezone at a seasonal rate of 25 g a.i./ha was previously assessed and therefore an additional assessment was not required. The label includes all required precautionary hazard statements, including buffer zone information, which adequately mitigates risks to the environment.

Value Assessment

Volunteer canola is an economically important weed to be controlled in western Canada. Seeded canola acres are steadily increasing, and with the rapid adoption of glyphosate tolerant corn, canola volunteers have become a significant weed concern to corn producers in the region. Early emerging canola plants can be controlled with an early post-emergent application of Armezon Herbicide, but later emerging plants (secondary flushes) require an additional in-crop application for their control. Armezon Herbicide only controls emerged weeds present at the time of application and does not provide residual control of secondary flushes. Providing growers with an option to apply a sequential application of Armezon Herbicide at 12.5 g a.i./ha (alone or tank-mixed with glyphosate) to control secondary flushes of volunteer canola will be a valuable tool.

The collective consideration of a scientific rationale and field trial data previously submitted to the PMRA demonstrated that the inclusion of an option for a sequential application of Armezon Herbicide applied at the labelled rate of 12.5 g a.i./ha (alone or tank-mixed with glyphosate) for the control of secondary flushes of volunteer canola (all types including glyphosate tolerant) in glyphosate tolerant corn does have value and can be supported from a value perspective.

Other label amendments, including rescue crop and rotational cropping claims, that relate to the inclusion of a sequential application of Armezon Herbicide alone or in tank mix with a glyphosate herbicide are also supported by scientific rationale or information previously submitted from field research trials.

Conclusion

The PMRA has conducted a review of this application, and based on the available data, has determined that the amendments to the Armezon Herbicide label can be supported.

References

PMRA Number	Reference
2708722	2016, Waiver Request for the Exemption from Part 10, Value for the Registration of a Second Application of Armezon for Control of Secondary Flushes of Volunteer Canola, DACO: 10.1, 10.2, 10.2.3.1, 10.2.3.3, 10.3, 10.3.1, 10.3.2.
2708723	2016, Use Site Description: Amendment of the Armezon Label to include an Option for a Second Application of Topramezone in Field Corn, DACO: 5.2
2115788	2008, Data Submitted by the Agricultural Rentry Task Force (ARTF) to Support Revision of Agricultural Transfer Coefficients, DACO: 5.6
1913109	2009, Agricultural Handler Exposure Scenario Monograph: Open Cab Groundboom Application of Liquid Sprays, DACO: 5.3,5.4

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