

Evaluation Report for Category B, Subcategory B.3.2 Application

Application Number: 2013-7128
Application: New or Changes to Product Labels-Application Timing
Product: Lumax EZ Herbicide
Registration Number: 30864
Active ingredients (a.i.): S-Metolachlor
Atrazine
Mesotrione
PMRA Document Number : 2403575

Background

Lumax EZ Herbicide (Registration Number 30864; guarantee 298 g s-metolachlor/L, 112 g atrazine/L and 29.8 g mesotrione/L) was first registered for use in Canada in 2013. It is registered for pre-emergent use in field corn, production seed corn, and sweet corn and for post emergent use in field corn for control of annual grass and broadleaf weeds.

Purpose of Application

The purpose of this application was to extend the use of Lumax EZ Herbicide in field corn to include a late post-emergence application up to the 6-leaf growth stage.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application

Exposure from the postemergent use of Lumax EZ Herbicide, alone or as a tank mix with glyphosate, on 3 to 6-leaf stage field corn is not expected to increase over the currently registered use of s-metolachlor, atrazine or mesotrione. No risks of concern were identified or are expected when workers follow the label directions and wear the personal protective equipment stated on the label.

No new residue data were submitted for the active ingredients s-metolachlor, atrazine or mesotrione, or the safener benoxacor in support for the new use of Lumax EZ Herbicide on field corn at the 3 to 6-leaf growth stage. Previously reviewed residue data were considered in the context of the application. All other use directions on the product label remain the same. Based on this assessment, the noted changes to the Lumax EZ Herbicide label will not increase the dietary exposure to the active ingredients or the safener, and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The application rates are below the currently registered rates for s-metolachlor, atrazine or mesotrione on the same crop and with the same application method. Therefore, no additional environmental data are required, nor is there expected to be an increase in environmental risk.

Value Assessment

Information reviewed for this application included rationales and trial data previously submitted to the PMRA. Based on all available information, expanding the use pattern of Lumax EZ Herbicide to include a late post-emergent application (i.e., up to the 6-leaf growth stage) in field corn using the short season rate (3.35 L/ha) was supported. Furthermore, inclusion of a tank mix with glyphosate (900 g ae/ha) when weeds are emerged at the time of application was also supported.

Conclusion

The extension of the use in field corn to include a late post-emergence application up to the 6-leaf growth stage for Lumax EZ Herbicide was approved.

References

PMRA Document

Number	Reference
2377237	2013, Lumax EZ Herbicide - Part 10 information- Add late post timing on field corn, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.3.1, 10.3.2, 10.4, 10.5, 10.5.2, 10.5.3, 10.5.4, 10.5.5.

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