

Evaluation Report for Category B, Subcategory 3.10, 3.13 Application

Application Number: 2018-3832
Application: Changes to Product Label; Tank Mixes and Precautions
Product: Boundary LQD Herbicide
Registration Number: 30812
Active ingredients (a.i.): S-Metolachlor (and R-enantiomer)
Metribuzin
PMRA Document Number: 3029481

Purpose of Application

The purpose of this application was to amend the precautions and tank mix instruction on the product label of Boundary LQD Herbicide.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Boundary LQD Herbicide is of low acute toxicity in rats by the oral, dermal and inhalation routes. It is moderately irritating to the eyes and not a dermal irritant to the skin of rabbits. It is a potential skin sensitizer in mice.

The use of the product Boundary LQD Herbicide for application to soybeans, potatoes, and transplanted tomatoes grown for processing is not expected to result in potential occupational, residential or bystander exposure over the registered uses of S-metolachlor and metribuzin. The risk assessments on file for these active ingredients are adequate to address the potential exposure from the use of Boundary LQD Herbicide. Taking into account the new acute toxicity data received by the applicant, no health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

A residue assessment was not required for this application.

Environmental Assessment

The amendments to the Boundary LQD Herbicide label were supported from an environmental perspective. The product label addresses all of the required environmental precautions and directions for use.

Value Assessment

The addition of a reference to generic glyphosate as a tank mix partner will provide users with more flexibility in using a glyphosate end use product of their choice. The inclusion of a higher rate up to 1800 g ai/ha provides flexibility to users in selecting a rate best suited to the weeds present where the application is being made. Those changes to the label are acceptable based on the use patterns of precedent products.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support label amendments for Boundary LQD Herbicide.

References

PMRA

Document

Number	Reference
2911373	2018, Boundary LQD Herbicide (Reg. No. 30812) Summary Toxicology Profile, DACO 4.6
2911374	2015, S-Metolachlor/Metribuzin EC (A12831A)- Acute Oral Toxicity Study in Rat, DACO 4.6.1
2911375	2015, S-Metolachlor/Metribuzin EC (A12831A)- Acute Dermal Toxicity Study in Rat, DACO 4.6.2
2911376	2015, S-Metolachlor/Metribuzin EC (A12831A)- Acute Inhalation Toxicity Study (Nose-Only) in the Rat, DACO 4.6.3
2911377	2015, S-Metolachlor/Metribuzin EC (A12831A)- Acute Eye Irritation Study in Rabbits, DACO 4.6.4
2911378	2015, S-Metolachlor/Metribuzin EC (A12831A) - In Vitro Eye Irritation Test in Isolated Chicken Eyes, DACO 4.6.4
2911379	2015, S-Metolachlor/Metribuzin EC (A12831A) - Primary Skin Irritation Study in Rabbits, DACO 4.6.5
2911380	2015, S-Metolachlor/Metribuzin EC (A12831A)- Local Lymph Node Assay in the Mouse, DACO 4.6.6

ISSN: 1911-8082

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