

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2014-2608
Application: Change to product label: New site or host
Product: Authority 480 Herbicide
Registration Number: 29012
Active ingredients (a.i.): Sulfentrazone
PMRA Document Number : 2463843

Background

Authority 480 Herbicide (Registration Number 29012; 480 g/L sulfentrazone) is currently registered as a selective soil applied herbicide at the rate range of 105-140 g a.i./ha for control of wild buckwheat, kochia, lamb's-quarters, and redroot pigweed in chickpeas, field peas, flax, sunflower, and soybean in medium and fine texture soils in the Prairie Provinces only.

The associated regulatory documents for sulfentrazone are ERC2010-08, PRD2011-01 and RD2011-09.

Purpose of Application

The purpose of this application was to expand the labelled use pattern for Authority 480 Herbicide from the Prairie Provinces only to the rest of Canada.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

Sufficient crop field trial residue data for sulfentrazone are on file to support the national registration for Authority 480 Herbicide. Residues in/on treated crops will continue to be covered under the established MRLs for sulfentrazone. Dietary exposure to sulfentrazone is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

Sufficient ecotoxicology and environmental fate data for sulfentrazone are on file to support the national registration for Authority 480 Herbicide. The label expansion to

include the treatment of crops across Canada (i.e. removing the restriction “in Prairie Provinces Only”) is covered under the established environmental risk assessment for sulfentrazone. Environmental risks are mitigated through existing environmental statements and buffer zones on the product label.

Value Assessment

Efficacy, crop safety, and rotational crop safety information previously submitted under applications 2006-4414, 2010-0473, 2010-0474, and 2013-4738 included several hundred trials conducted in a wide range of soil types with various soil organic matter content over 26-year period. The trials were distributed not only in the western region of Canada and the US, but also in the eastern region, e.g., Ontario, Ohio, Nova Scotia, Michigan, Illinois, etc. Efficacy and crop safety did not vary with geography.

In addition, sulfentrazone is listed as a priority in the Canadian Grower Priority Database for control of grasses and broadleaf weeds in a number of crops, including beans, berries, and chickpeas commonly grown in eastern Canada.

Based on the weight of evidence, the expansion of Authority 480 Herbicide use pattern from the Prairie Provinces to the rest of Canada has value and can be supported.

Conclusion

The PMRA has completed a review of all information available for Authority 480 Herbicide and has determined it sufficient to support a Canada wide registration for use on the labelled crops.

References

None

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