



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2008-2419
Application: Addition of a new site to the product label.
Product: Infinity Herbicide
Registration Number: 28738
Active ingredients (a.i.): Bromoxynil (BRX) and Pyrasulfotole (PSA)
PMRA Document Number : 1897617

Background

Infinity Herbicide (Registration Number 28738; pyrasulfotole 37.5 g a.i./L and bromoxynil 210 g a.i./L) is registered for use in the control of broad spectrum of broadleaf weeds in wheat (spring, durum and winter), barley, triticale, and timothy (seed production only). Infinity Herbicide is registered for both ground and aerial applications.

Purpose of Application

The purpose of this application is to add tame oats to the list of crops on the Infinity Herbicide label.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No new residue data were required to support the addition of tame oats to the label of the registered end-use product Infinity Herbicide, containing bromoxynil and pyrasulfotole, since both active ingredients are currently registered for use on oats in Canada with higher application rates. The use of Infinity Herbicide is not expected to increase the magnitude of bromoxynil and pyrasulfotole in/on oats. Therefore, the addition of tame oats to the Infinity Herbicide label will not increase the dietary exposure and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The use on tame oats should not result in an increase in potential occupational or bystander (re-entry) exposure over registered uses of the active ingredient since the application rate, number of applications, frequency of application and method of application fell within that registered for other approved cereal crops.

Environmental Assessment

The application rate, frequency and method of application of Infinity Herbicide for use on tame oats fall within those currently registered for other crops listed on the label. Therefore this use will not increase the environmental exposure and negligible risk is expected. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Crop tolerance and grain yield data were submitted from a total of 16 field trials conducted on 7 tame oat varieties throughout Alberta, Saskatchewan and Manitoba in 2005. All trials applied Infinity Herbicide via the ground. The provided crop injury and grain yield data indicate that Infinity Herbicide with and without ammonium sulphate is safe for use on tame oats when applied at the currently labelled rate between the 3-leaf growth state and flag leaf emergence. The rationale provided by the registrant stating that adequate performance on tame oats would be expected after aerial application of Infinity Herbicide is acceptable. Based on the data provided, the addition of tame oats as a new host crop to the Infinity Herbicide label can be supported from a value perspective.

Conclusion

The PMRA has completed an assessment of available information for Infinity Herbicide and has found the information sufficient to support the addition of tame oats to the label.

References

PMRA Document Number Reference

1611145 2008. Infinity Herbicide (pyrasulfotole + bromoxynil) for broadleaf weed control in tame oats. Bayer CropScience Inc. DACO 10.3.2, Non-Safety Adverse Effects. p. 199.

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