

Evaluation Report for Category B, Subcategory B.3.10 & B.3.11 Application (New or Changes to Product Label – Tank Mixes & New Pests)

Application Number: 2015-5646
Application: Category B.3.10 and 10.11 (New or changes to product label – Tank mixes & new pests)
Product: Infinity Herbicide
Registration Number: 28738
Active ingredients (a.i.): 37.5 g/L pyrasulfotole and 210 g/L bromoxynil
PMRA Document Number : 2612568

Background

Infinity Herbicide is registered for the post-emergent control of a broad spectrum of broadleaf weeds in small grain cereals and certain minor use crops. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Infinity Herbicide to include (1) a claim of control of volunteer soybean (up to the 5-trifoliolate leaf stage) and (2) a new tank mix partner, FX Herbicide, for improved control of volunteer soybean (up to the 9-trifoliolate leaf stage), cleavers (up to the 9-whorl stage), and kochia (up to 15 cm in height) and control of volunteer flax in spring and durum wheat and barley.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Volunteer soybeans have been identified as an emerging weed problem in cereal production in the Prairies where soybean acreage is increasing steadily. The inclusion of a claim of control of volunteer soybean would allow farmers to manage this emerging problematic weed. The application of Infinity Herbicide in a tank mix with FX Herbicide provides control of volunteer flax and improved control of volunteer soybean, kochia and cleavers over Infinity Herbicide applied alone. The tank mix with herbicides from three modes of action may prevent or delay the onset of herbicide resistance.

The value information submitted demonstrated that (1) the application of Infinity Herbicide alone at the labelled rate can be expected to control volunteer soybean and (2) the application of Infinity Herbicide in a tank mix with FX Herbicide can be expected to provide control of volunteer flax and enhanced control of volunteer soybean, kochia, and cleavers in spring and durum wheat and barley. The information included data from 12 replicated small plot trials conducted in Alberta, Manitoba, and Saskatchewan in 2015.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the requested amendments to the Infinity Herbicide label.

References

List of Studies/Information Submitted by Registrant

PMRA # 2575242 2015, Value assessment of Infinity Herbicide in tank-mixture combination with FX Herbicide (fluroxypyr), DACO: 10, 10.1, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.3.1, 10.3.2(A), 10.5, 10.5.1, 10.5.2, and 10.5.3.

PMRA # 2575246 2015, Value assessment of Infinity Herbicide in tank-mixture combination with FX Herbicide (fluroxypyr) - Field trial reports, DACO: 10.2.3, 10.2.3.3(B), and 10.3.2(A).

ISSN: 1911-8082

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