



Evaluation Report for Category C, Subcategory C.3.10 Application Simplicity Herbicide (Addition of tank-mixes)

Application Number: 2008-1848
Application: Category C, Subcategory C.3.10 Application (addition of tank-mixes)
Product: Simplicity Herbicide
Registration Number: 28887
Active ingredients (a.i.): pyroxsulam (JUA)
PMRA Document Number: 1710172

Background

Simplicity Herbicide has been registered since January 31, 2008. Simplicity Herbicide is registered for post-emergence control of broadleaf and grassy weeds in spring wheat and durum wheat. 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 Simplicity Herbicide to include tank mixtures of it with Attain Herbicide Tank Mix (Reg. No. 24833 & 24834) or with Curtail M Herbicide (Reg. No. 22764) at registered rates. These tank mixtures are intended for post-emergence application on spring wheat and durum wheat for the control of currently labelled weed species. In addition, the Simplicity + Attain tank mixture is to be used for the control of wild buckwheat. Simplicity alone provides suppression of wild buckwheat. Attain Herbicide Tank-Mix provides control of wild buckwheat, but at rate higher than the rate used in the Simplicity + Attain tank mixture.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crops, application rates and timings, of the component products remained unchanged.

Value Assessment

In support of the Simplicity + Attain tank mixture, data were submitted from 26 field trials conducted in 2006 and 2007 in Alberta, Saskatchewan, and Manitoba. Efficacy and crop safety of the proposed tank mixture were directly compared to that of the registered Simplicity + Assist Oil Concentrate or to Attain Herbicide Tank-Mix applied alone. Trials included treatments with Simplicity + Attain and/or Simplicity + Attain II, a non-registered product. Bridging data were provided for review showing that Attain and Attain II were agronomically equivalent when tank-mixed with Simplicity. The weed control of the proposed tank mixture was acceptable and similar to that of the tank mixture partners alone. The efficacy data provided for wild buckwheat support a claim of control. Performance was also acceptable and similar in terms of crop safety, assessed as both crop injury and yield.

In support of the Simplicity + Curtail M tank mixture, a scientific rationale was provided. This rationale was based on the currently registered tank mixture of Simplicity + Spectrum Herbicide Tank Mix. The rationale was deemed acceptable.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Simplicity Herbicide to include the tank mixtures of Simplicity Herbicide with Attain Herbicide Tank-Mix and Simplicity Herbicide with Curtail M Herbicide.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

PMRA # 1603502. DACO 10.2.3.3.

PMRA # 1603504. DACO 10.2.3.3.

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