

Kantoral

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

Application Number: 2010-4872
Application: Category C, Subcategory C.3.10 Application (addition of tank-mixes)
Product: Kantoral
Registration Number: 29157
Active ingredients (a.i.): triglyceride ethoxylate 10 POE (TXR)
PMRA Document Number (English PDF): 1989167

Background

Kantoral has been registered since January 23, 2009. Kantoral, a non-ionic spray adjuvant derived from soybean oil, that may be tank-mixed with many herbicide products, two insecticides, three fungicides and two plants growth regulators. 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 submission to add a new rate of Kantoral when tank-mixed with Signal Herbicide (Reg. # 29172) at the higher rate: Signal Herbicide (clodinafop-propargyl) at 290 mL/ha (70 g ai/ha) + Kantoral at 0.32% v/v. This tank mix is intended for post-emergence application on spring wheat and durum wheat for the control of annual grassy weeds.

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

Efficacy data from five trials were provided for review, where the performance of Signal Herbicide + Kantoral was compared to that of Signal Herbicide + Signal Adjuvant at the appropriate application rates. Efficacy data were provided for the following relevant weed species: wild oats, volunteer (common) oats, barnyardgrass, green foxtail, and yellow foxtail. Trials were conducted in Alberta, Saskatchewan and Manitoba in 2009. All trials were conducted in spring wheat.

Crop tolerance data from five trials were provided for review. All trials were conducted in spring wheat in 2009. Trials were conducted in Alberta, Saskatchewan and Manitoba. There were no visible signs of crop injury, visually assessed as percent stunting and percent chlorosis, at any time following application of Signal Herbicide + Kantoral at 70 g ai/ha + 0.32% v/v to spring wheat. The lack of injury was corroborated by yield data in two trials.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Kantoral.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

PMRA Document Number: 1964215

Reference: 2009, Signal herbicide, DACO: 10.2.3.3

PMRA Document Number: 1964216

Reference: 2009, Signal herbicide, DACO: 10.2.3.3

PMRA Document Number: 1964217

Reference: 2009, Norac Signal Wheat 2009, DACO: 10.2.3.3

PMRA Document Number: 1964218

Reference: 2009, Norac Concepts Signal Herbicide Efficacy Evaluation Wheat, DACO: 10.2.3.3,10.3.2

PMRA Document Number: 1964219

Reference: 2009, Signal herbicide, DACO: 10.2.3.3,10.3.2

ISSN: 1911-8082

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