

Horizon W.O. Herbicide Tank Mix Evaluation Report for Category C, Subcategory C.3.10 Application (Addition of tank-mixes)

Application Number: 2008-2273
Application: Category C, Subcategory C.3.10 Application (addition of tank-mixes)
Product: Horizon W.O. Herbicide Tank Mix
Registration Number: 25477
Active ingredients (a.i.): clodinafop-propargyl (CFP)
PMRA Document Number: 1719795

Background

Horizon W.O. Herbicide Tank Mix has been registered since April 23, 1998. This product is registered for post-emergence control of 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 submission is to add two tank-mixtures to the label: Horizon plus Dycleer Agricultural Herbicide (Reg. No. 28761) plus Starane Herbicide (Reg. No. 24815) and Horizon plus Dycleer Agricultural plus Starane plus MCPA Ester 500. These tank-mixtures are intended for post-emergence application at the 2- to 5-leaf stage of the crop, spring wheat and durum wheat, for the control of currently labelled 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

The data package submitted in support of the label amendment of Horizon 240EC Herbicide (Reg. # 24067) under application number 2008-1430 is applicable to Horizon W.O. Herbicide Tank Mix. In support of the Horizon plus Dycleer plus Starane tank-mixture, data were submitted from 18 field trials conducted in 2006 or 2007 in Alberta, Saskatchewan or Manitoba.

Control values for the three-way tank-mixture for wild oats and green foxtail were directly compared to that of Horizon applied alone. Overall, the Horizon plus Dycleer plus Starane tank-mixture provided acceptable control of green foxtail and wild oats. At the mid-season rating (20-28 days after treatment), in some trials control values for the three-way tank-mixture were lower than that of Horizon applied alone. However, by the late-season rating (36-47 days after treatment) control values were comparable to that of Horizon applied alone. Performance was acceptable in terms of crop safety for spring wheat, assessed as visual injury.

For the Horizon plus Dycleer plus Starane plus MCPA Ester tank-mixture, no efficacy data or crop safety data were provided. Therefore there was insufficient information upon which to make a regulatory decision regarding the value of this tank-mixture.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Horizon W.O. Herbicide Tank Mix to include the tank-mixture of Horizon W.O. Herbicide Tank Mix plus Dycleer Agricultural Herbicide plus Starane Herbicide. Insufficient information was provided to make a regulatory decision regarding the value of the tank-mixture of Horizon W.O. Herbicide Tank Mix plus Dycleer Agricultural Herbicide plus Starane Herbicide plus MCPA Ester 500.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

PMRA Document Number: 1584506

Reference: 2007, Efficacy Summary- Tm Of Dycleer + Starane- Field Trials 2007, Data
Numbering Code: 10.2.3.3

PMRA Document Number: 1584503

Reference: Efficacy Summary- Tm Of Dycleer + Starane- Field Trial Reports 2005, Data
Numbering Code: 10.2.3.3

PMRA Document Number: 1584505

Reference: Efficacy Summary- Tm Of Dycleer + Starane- Field Trials 2006, Data
Numbering Code: 10.2.3.3

PMRA Document Number: 1584504

Reference: Tolerance Summary- Tm Of Dycleer + Starane- Field Trials 2006, 2007, Data
Numbering Code: 10.2.3.3

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