



Evaluation Report for Category C, Subcategory C.3.10 Application

Application Number: 2008-0884
Application: Category C, Subcategory C.3.10 (new or changes to product label - tank mixes)
Product: Refine SG Herbicide
Registration Number: 28285
Active ingredients (a.i.): 33.35% thifensulfuron methyl and 16.65% tribenuron methyl
PMRA Document Number: 1610128

Background

Refine SG Herbicide (Group 2 Herbicide) containing 33.35% thifensulfuron methyl and 16.65% tribenuron methyl is registered for selective post-emergence control or suppression of broadleaf weeds in wheat (spring, winter, and durum), spring barley, and oats not underseeded to legumes or grasses, and in certain grasses for forage or seed production. 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 is to amend the registration for Refine SG Herbicide to include a tank mixture of Refine SG + Everest 70WDG or Everest Solupak 70DF + Banvel II or Banvel Dry EG + Agral 90 or AgSurf for control of broadleaf weeds plus wild oats and green foxtail in spring wheat (including durum).

Chemistry Assessment

A chemistry assessment was not required as there was no change to product chemistry.

Health Assessment

A health assessment was not required as there was no change to the product formulation and use pattern.

Environmental Assessment

An environmental assessment was not required as all the components of the tank mixture are presently registered for use on spring and durum wheat.

Value Assessment

Data from 6 combined efficacy and crop tolerance trials were submitted for review. The trials were conducted in Alberta, Manitoba, and Saskatchewan in 2006 and 2007.

Efficacy of the treatment of Refine SG + Everest 70WDG + Banvel II or Banvel Dry EG + Agral 90 was compared to that of the registered treatments of Refine SG + Everest 70WDG + 2,4-D Amine + Agral 90 and Refine SG + Puma120 Super in the trials. Control of wild oats, redroot pigweed, kochia, wild buckwheat, wild mustard, and dandelion was visually assessed on 2-3 occasions during the growing season. Mean control of these weeds following the application of Refine SG + Everest 70WDG + Banvel II or Banvel Dry EG + Agral 90 was comparable to that of the registered treatments.

Crop tolerance of spring wheat to the treatment of Refine SG + Everest 70WDG + Banvel II or Banvel Dry EG + Agral 90, expressed as % crop injury, was reported in the trials. Crop injury to spring wheat was acceptable and also comparable to the registered treatments in these trials. Grain yield data further supported the crop tolerance claims.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Refine SG Herbicide to include a tank mixture of Refine SG + Everest 70WDG or Everest Solupak 70DF + Banvel II or Banvel Dry EG + Agral 90 or AgSurf for control of broadleaf weeds plus wild oats and green foxtail in spring and durum wheat.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 1561046: Efficacy and crop tolerance of Refine SG Herbicide + Banvel II or Banvel Dry EG + Everest 70WDG or Everest Solupak 70DF + NIS at 0.25% v/v in spring wheat. E.I. du Pont Canada Company. DACO. 10.2.3.3. and 10.3.2. pp. 152.

ISSN: 1911-8082

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