

Evaluation Report for Category B, Subcategory 3.2 and 3.5 Application

Application Number: 2005-1700
Application: category B, subcategories: 3.2 (Label amendment: Application timing) and 3.5 (Label amendments: Rotational crops)
Product: Florasulam Suspension Concentrate Herbicide
Registration Number: 26891
Active ingredients (a.i.): florasulam at 50 g a.i./L
PMRA Document Number: 1292871

Background

Florasulam Suspension Concentrate Herbicide has been registered since May 18, 2001. The tank mixture of Florasulam Suspension Concentrate Herbicide plus Vantage Plus Herbicide Solution [PCP# 26171; glyphosate (present as the isopropylamine salt) at 360 g a.e./L] is registered as a selective herbicide for postemergent control of annual broadleaved weeds including cleavers, wild buckwheat and chickweed in spring wheat (including durum), spring barley and oats in the Prairie Provinces and Peace River region of British Columbia. 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 of Florasulam Suspension Concentrate Herbicide (in tank mixture with Vantage Plus) to 1) change the application timing to include spring or fall applications prior to planting spring wheat (including durum), spring barley and oats, and to 2) change the crop rotation statement to: “Apply in the spring prior to planting barley, oats and wheat, or as an initial summerfallow treatment, or in the fall prior to planting barley, oats and wheat the following spring.”

Chemistry Assessment

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

Health Assessment

A toxicology assessment was not required as there was no change to the product formulation. New health assessment was not required since host crops and application rates are not changed. Altering a single application timing of spring or fall is not expected to change the handlers exposure scenario during application over the existing levels. No increase in potential post application exposure is anticipated from the request over the existing levels. To support the new application timing and crop rotation statement on the Florasulam Suspension

Concentrate Herbicide label, no new residue data were submitted. Following the evaluation of the label amendments, there is no indication that any of these changes will have an impact on the magnitude of the residues of florasulam when used according to the amended label, since the use rate and pre-harvest interval remained the same. Therefore, no increase in dietary exposure is anticipated.

Environmental Assessment

No additional impact to the environment is expected from the addition of a fall application option. The leaching potential of the product is already noted on the label. The application rates, number of applications per season, and host crops remain unchanged, and application in successive years at the same site is not permitted.

Value Assessment

The tank mixture of Florasulam SC herbicide plus Vantage Plus herbicide is registered for application in spring prior to the planting of wheat, barley or oat, or as an initial treatment in summerfallow.

Efficacy data were not required to support a fall application timing for a tank mixture of Florasulam SC herbicide plus Vantage Plus herbicide since there was no change to application rate, no new weed species were requested for labelling and since the weed developmental stage at the time of fall application is consistent with that of spring application.

Crop safety data were not required since there was no change to application rate, no new crops were requested and since the application to planting interval is longer for a fall application prior to planting crops in the following spring than for a spring application prior to planting crops in the same season.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Florasulam Suspension Concentrate Herbicide to change the application timing and crop rotation statement.

References

1056927 Efficacy trials: Request for waiver. August 19, 2005. Dow AgroSciences. DACO 10.2.3 and DACO 10.2.3.1. pp. 1.

1056928 Non-safety adverse effects: Request for waiver. August 19, 2005. Dow AgroSciences. DACO 10.3.2. pp. 1.

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