



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2006-2920
Application: New Site
Product: Nufarm Koril 235 Liquid Herbicide
Registration Number: 25341
Active ingredients (a.i.): Bromoxynil
PMRA Document Number : 1466017

Background

Nufarm Koril 235 Liquid Herbicide was first registered in 1998. This product is currently registered for the control of annual weeds on alfalfa, barley, canary grass, field and sweet corn, fall rye, flax, oats, triticale, spring and winter wheat. Refer to the product label for specific details on application rates and methods, precautions, restrictions and personal protective equipment requirements.

Purpose of Application

The purpose of this submission is to add seed corn in breds to the list of crops on the Nufarm Koril 235 Liquid Herbicide label.

Chemistry Assessment

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

Health Assessments

A toxicology assessment was not required since there was no change to the formulation.

The use on corn grown for seed should not result in an increase in potential occupational or bystander (reentry) exposure over registered uses of the active ingredient since the application rate, number of applications, frequency of application and method of application fell within that registered for other corn varieties.

As seed corn inbreds are a variety of corn and the use pattern, including application timing, method and rate, is identical to those for corn on the currently registered label of Nufarm Koril 235 Liquid Herbicide, residue profile of bromoxynil is not expected to change. No increase in dietary exposure to bromoxynil is anticipated. Residues of bromoxynil on corn are covered by subsection B.15.002 (1), i.e., less than or equal to 0.1ppm.

Environmental Assessment

The rate, frequency and method of application of Nufarm Koril 235 Liquid Herbicide for use on corn seed inbreds fall within those currently registered for other crops on the label. Therefore this use does not increase the environmental risk and additional environmental data are not required to support this use.

Value Assessment

Data from 16 crop tolerance trials were provided in support of the addition of seed corn to the Koril 235 Liquid Herbicide label. All trials were conducted in southern Ontario over four years 2002-2005, with four trials in each of the four years. In each year, 10-30 inbred lines were tested from each of four seed companies. Visual injury ratings, crop stand, and yield data were reported. Visual injury was absent or slight. Crop stand and seed yield data generally demonstrated tolerance to Koril 235 Liquid Herbicide. However, as variability in tolerance was evident and since not all inbreds have been tested, a precautionary statement is included on the label.

Conclusion

The PMRA has completed an evaluation of this application and has found the information sufficient to amend the registration of Nufarm Koril 235 Liquid Herbicide to include seed corn inbreds to this product's label.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

PMRA 1213090 NON-SAFETY ADVERSE EFFECTS-HERBICIDES. 118 pp. DACO
10.3.2(A)

B. ADDITIONAL INFORMATION CONSIDERED

None.

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