



Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2006-7932
Application: B.4.1 – Conversion to full registration without consultation
Product: Turboprop
Registration Number: 27967
Active ingredients (a.i.): Dichlorprop and 2,4-D
PMRA Document Number: 1774270

Background

Turboprop was granted conditional registration based submission of confirmatory efficacy and crop tolerance data when the product is applied with aerial application equipment.

Purpose of Application

The purpose of this application is to convert the conditional registration of Turboprop to full registration.

Chemistry Assessment

Turboprop is formulated as an emulsifiable concentrate containing the active ingredients 2,4-D (present as 2-ethylhexyl ester) and dichlorprop (present as 2-ethylhexyl ester) at nominal concentrations of 282 g/L and 300 g/L respectively. This product has a density of 1.08 g/mL and pH of 4.5. The chemistry requirements for Turboprop have been completed.

Health Assessments

Toxicological and food residue assessments were not conducted as no additional toxicological or food residue data were required to support the conversion of the registration of Turboprop from conditional to full registration.

The use pattern for Turboprop is within the acceptable use pattern for 2,4-D and dichlorprop for registration. Increase in occupational exposure is not expected.

Environmental Assessment

An environmental assessment was not conducted as no additional environmental data were required to support the conversion of the registration of Turboprop from conditional to full registration.

Value Assessment

Six trials were conducted in Prairie Provinces in 2005. Crop tolerance was examined for spring wheat and barley at the labelled rate and at twice the labelled rate. Efficacy data for nine broadleaf weed species was provided. All trials included side-by-side treatments where the product was applied in a spray volume of 100 L/ha (within the range for ground application) and 30 L/ha (minimum spray volume for aerial application). The maximum crop injury observed for either of the two crops, at either spray volume, was 1.5%. Yield, expressed as a percentage of a weedy check, varied little when comparing the two spray volumes. The difference in yield when comparing the two volumes varied between 1 and 2 percentage points. Differences in percent weed control, when comparing the two spray volumes, varied between 0 and 3 percentage points. The condition for full registration, from a value perspective, was determined to be fulfilled.

Conclusion

Turboprop is acceptable for full registration.

References

- 1120375 Summary: Evaluation of Typical Aerial and Ground Application Water Volumes; FDR Task Force (Nufarm, IPCO, UAP), DACO: 10.2
- 1120376 Field Trial Reports: Appendix to: Evaluation of Typical Aerial and Ground Application Water Volumes; FDR Task Force (Nufarm, IPCO, UAP). FDR-A1 to FDR-A9, DACO: 10.2.3.3,10.3.2
- 793050 Product Identification: Applicant Name and Address; Formulating Plants; Trade Names, DACO: 3.1.1,3.1.2,3.1.3 CBI
- 793051 Description of Starting Materials for 2,4-D/2,4-DP Ester 600 Emulsifiable Concentrated Herbicide, MSDS & Formulation ID Grid, DACO: 3.2.1 CBI
- 793052 2003, Physical & Chemical Characterization of Formulation NAI-005, DACO: 3.3.1,3.4.1,3.5 CBI
- 1007345 2004, Physical and Chemical Characterisation of Formulation NAI-005, DACO: 3.5.10 CBI

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