

Conversion from Temporary to Full Registration Evaluation Report for Category B, Subcategory B.4.1 Application

Application Number: 2006-0311
Application: Category B, Subcategory B.4.1 (conversion from temporary to full registration)
Product: Checkmate MCPA Ester 600 Herbicide
Registration Number: 27804
Active ingredients (a.i.): MCPA Ester
PMRA Document Number: 1508367

Background

Checkmate MCPA Ester 600 Herbicide (PCP # 27804) is conditionally registered for use in cereals, flax, established forages, pastures and non-crop areas for the control of several broadleaf weeds, annual and perennial, and woody growth. Application rates for Checkmate MCPA Ester are dependant on the crop and the weed claims. 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 convert Checkmate MCPA Ester 600 Herbicide from conditional to full registration. With Application No. 2003-0889 this product was granted conditional registration. As a requirement of the conditional registration of Checkmate MCPA Ester 600, additional data was requested to examine the storage stability of the product within one year at room temperature or under warehouse conditions. A second requirement of conditional registration was the provision of additional crop tolerance and efficacy data to confirm the crop tolerance and weed control for the new product when applied by air.

Chemistry Assessment

Storage stability study was provided. The content of the active after one year storage was detected to be above the lower certified limit. Conditions of full registration are satisfied from a Chemistry perspective.

Health Assessments

Health assessments were not required as no deficiencies were identified with Application No. 2003-0889.

Environmental Assessment

An environmental assessment was not required as no deficiencies were identified with Application No. 2003-0889.

Value Assessment

To support the conversion of conditional to full registration of Checkmate MCPA Ester 600 Herbicide, the applicant submitted nine trials. All trials were conducted in Prairie provinces in 2005. Crop tolerance was examined for spring wheat, barley and flax 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 any of the three crops, at either spray volume, was 3.8%. Yield, expressed as a percentage of a weedy check, varied little when comparing the two spray volumes. The difference between the two spray volumes varied between 0 and 7 percentage points. Differences in percent weed control, when comparing the two spray volumes, varied between 0 and 9 percentage points. The condition for full registration, from a Value perspective, was determined to be fulfilled.

Conclusion

The conditions of full registration have been fulfilled. Checkmate MCPA Ester 600 Herbicide can be converted to a full registration.

References

A. List of Studies/Information Submitted by Registrant

- | | |
|---------|---|
| 1120367 | 2005, Physical & Chemical Characteristics of FDR-MCPA-A1: Storage Stability, Case Consulting Laboratories, Inc., 3180-01, DACO: 3.5.10 |
| 789566 | Applicant's Name & Address, N/A, GLP, Unpublished, Comments: 3.1.2, 3.1.3 [added to DACO line], DACO: 3.1.1,3.1.2,3.1.3 |
| 789568 | Physical & Chemical Characterisation of Formulation NAI-013 Environ-Test Laboratories (ETL) ETL02NUA02, GLP, Unpublished Comments: 3.4.1, 3.5.1 to 3.5.15 [added to DACO line], DACO: 3.3.1,3.4.1,3.5 |
| 789569 | Product Specifications, Nufarm, IPCO, UAP, N/A, Non GLP, Unpublished, DACO: 3.3.2 |
| 1065467 | Summary of Results - Table 5. Summary Table - Test results for Formulation NAI-013, DACO: 3.1,3.5 |

- 1381770 2004, Physical & Chemical Characterisation of Formulation NAI-013., Enviro-Test Laboratories (ETL), ETL02NUA02 FINAL, DACO: 3.5.10
- 1120376 DACO 10.2.3.3, 10.3.2. 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. Part 10 - Value. Volume 1 of 1.

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