

Evaluation Report for Category B, Subcategory 2.3, 2.4, 3.1, 3.10, 3.13 Application

Application Number: 2008-5884
Application: New product chemistry - identity/proportion of formulants;
New product labels – application rate increases/tank
mixes/precautions
Product: Vantage TAF Herbicide
Registration Number: 29588
Active ingredients (a.i.): Glyphosate [GPS]
PMRA Document Number : 1857156

Purpose of Application

The purpose of this application was to register a new end-use product, Vantage TAF Herbicide, based on the applicant's own precedent Vantage Herbicide (Registration Number 26172).

Chemistry Assessment

Vantage TAF Herbicide is formulated as a solution containing glyphosate (present as the isopropylamine salt) at a nominal concentration of 360 g/L. This end-use product has a density of 1.1873 g/mL and a pH of 4.76. The chemistry requirements for Vantage TAF Herbicide are complete.

Health Assessments

The toxicity profile of Vantage TAF Herbicide is not expected to differ from that of the precedent product. No new toxicity data were required or submitted.

The use pattern for Vantage TAF Herbicide fits within the existing use pattern for glyphosate. As such, exposure to workers mixing/loading and applying or entering treated areas is not expected to exceed that for the registered use pattern. The personal protective equipment and precautionary statements on the label are considered adequate to protect workers.

No new residue data for glyphosate were submitted to support the new formulation Vantage TAF Herbicide. The new formulation is based on the end-use product Vantage Herbicide which has the same use pattern. Previously reviewed residue data from field trials were reassessed in the framework of this petition. Following a comparison of the registered and the Vantage TAF Herbicide formulation, no change in the magnitude of the residues of glyphosate is expected. Therefore, no increase in dietary exposure is anticipated. The registration of Vantage TAF Herbicide formulation is not anticipated to pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No environmental data were submitted to support the registration of the new formulation Vantage TAF Herbicide. The environmental exposure resulting from use of this product is expected to be the same as for other registered glyphosate products. Environmental statements to mitigate the risk to sensitive terrestrial and aquatic habitats from drift have been added to the label.

Value Assessment

New data from field trials were submitted in support of Vantage TAF Herbicide, including head-to-head bridging trials with registered glyphosate end use products. The data provided indicate that Vantage TAF Herbicide provides a comparable level of control of annual and perennial labelled weeds to presently registered glyphosate herbicides at equivalent rates.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support the registration of Vantage TAF Herbicide.

References

Studies/Information Provided by Applicant/Registrant

- 1687092 2002, Group A-Product Identity, Composition, and Analysis for GF-772; an End-use Product Containing N-(phosphonomethyl)glycine, DACO: 3.2.1,3.2.2,3.2.3,3.3.1,3.4.1 CBI
- 1687093 2002, Group B: Determination of Color, Physical State, Odor, Oxidizing and Reducing Action, Flammability, Explodability, pH, Viscosity and Density of GF-772, a Liquid End-Use Product Containing Glyphosate IPA, DACO: 3.5.1,3.5.11,3.5.12,3.5.3,3.5.6,3.5.7,3
- 1687094 2005, Storage Stability and Package Corrosion Characteristics of GF-772; A Two-Year Study: Interim Report - 1 Year Ambient Active Ingredient Stability, Physical Stability (as it relates to test substance physical state) and Package Corrosion, DACO: 3.5
- 1720062 2002, Miscibility, DACO: 3.5.13 CBI
- 1720063 2002, Dielectric Breakdown Voltage, DACO: 3.5.15 CBI
- 1687102 2008, Efficacy Summary, DACO: 10.2.3.3(B)
- 1687104 2008, Field Trial Reports, DACO: 10.2.3.3(B)

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