

Evaluation Report for Category B, Subcategory 2.3, 2.4, 2.5 Application

Application Number: 2007-8836

Application: 2.3 Change in identity of formulants
2.4 Change in proportion of formulants
2.5 Change in formulation type

Product: Elim 25 SG Herbicide

Registration Number: 29641

Active ingredients (a.i.): Rimsulfuron

PMRA Document Number: 1871989

Purpose of Application

The purpose of this application was to register a new soluble granule formulation of the registered active ingredient, rimsulfuron (Registration Number 23517) based on the precedent product, Elim EP Herbicide 25% Dry Flowable (Registration Number 23518), for use on field corn.

Chemistry Assessment

Elim 25 SG Herbicide is formulated as a soluble granular concentrate containing rimsulfuron at a nominal concentration of 25 %. This end-use product has a density of 0.638 g/mL and pH of 6.7 (1% solution). The end-use product contains a List 1 ingredient carried through from the TGAI. The chemistry requirements for Elim 25 SG Herbicide are complete.

Health Assessment

Elim 25 SG Herbicide is based on the precedent product, Elim EP Herbicide 25% Dry Flowable, therefore, no new toxicological data were required.

The proposed use of Elim 25 SG Herbicide fits within the existing use pattern of the active ingredient, rimsulfuron. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data was provided to support the registration of Elim 25 SG Herbicide on field corn. Following a comparison of the registered and the proposed use pattern, no change in the magnitude of the residues is expected. Therefore, no increase in dietary exposure is anticipated.

Environmental Assessment

The use pattern for Elim 25 SC Herbicide (including application rates and timing) is identical to that for the precedent product, Elim EP Herbicide 25% Dry Flowable. It is therefore not expected that the use of Elim 25 SC Herbicide will pose any additional risk to the environment.

Value Assessment

Data from seven combined efficacy and crop tolerance trials conducted in Ontario (four locations) in 2007 were submitted for review. Product efficacy and crop safety of Elim 25 SG Herbicide applied alone or in combination with Banvel II, Banvel II + Dual II Magnum, or Roundup WeatherMax were evaluated in these trials. Elim EP Herbicide 25% Dry Flowable applied alone or in combination with the same tankmix partners were arranged side-by-side for direct comparison.

Weed control was visually assessed for a total of 12 species in all seven trials. It was concluded that the product efficacy of Elim 25 SG Herbicide was agronomically equivalent to that of Elim EP Herbicide 25% Dry Flowable.

Crop injury to seven field corn hybrids was visually assessed in all seven trials. It was concluded that the crop injury to field corn with Elim 25 SG Herbicide was acceptable and also comparable to that with Elim EP Herbicide 25% Dry Flowable. The conclusion was further supported by the grain yield data.

Overall, the registration of Elim 25 SG Herbicide can be supported from a value perspective.

Conclusion

The PMRA has conducted a critical evaluation of the subject application and has found the information sufficient to support registration of the new product.

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