

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2009-2452
Application: Changes to product label: tank mixes
Product: Roundup WeatherMAX with Transorb2 Technology Liquid Herbicide
Registration Number(s): 27487
Active ingredient (a.i.): Glyphosate (present as potassium salt)
PMRA Document Number : 1919223

Purpose of Application

The purpose of this application was to amend the label of Roundup WeatherMAX with Transorb2 Technology Liquid Herbicide (Registration Number 27487) by adding seven new tank mixtures for use in Roundup Ready Corn2 varieties. The proposed tank mix mixtures with the subject product were:

- Banvel II Herbicide (Registration Number 23951);
- Callisto 480SC Herbicide (Registration Number 27833) plus a non-ionic surfactant;
- Distinct Herbicide (Registration Number 25811) plus a non-ionic surfactant plus 28% UAN;
- Dual II Magnum Herbicide (Registration Number 25729) plus Aatrex Liquid 480 Herbicide (Registration Number 18450) or Atrazine 480 Herbicide (Registration Number 20997);
- Frontier Herbicide (Registration Number 23462) plus Aatrex Liquid 480 Herbicide (Registration Number 18450) or Atrazine 480 Herbicide (Registration Number 20997);
- Primextra II Magnum Herbicide (Registration Number 25730); and
- Prowl 400 EC Herbicide (Registration Number 23439) plus Aatrex Liquid 480 Herbicide (Registration Number 18450) or Atrazine 480 Herbicide (Registration Number 20997).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Roundup WeatherMAX with Transorb2 Technology Liquid Herbicide and the proposed tank mix partners are currently registered for use on Roundup Ready Corn2 varieties or field corn. The proposed tank mix uses at rates equal or less than the registered ones will not result in residues exceeding their established MRLs. Consequently, no increase in dietary exposure is anticipated.

Environmental Assessment

No additional environmental data were required to support the registration of seven new tank mixes for Roundup WeatherMAX with Transorb2 Technology Liquid Herbicide used on Roundup Ready Corn2 varieties. The proposed rates of application of the tank-mix partners are within their registered rates for use on corn. No increase in environmental exposure is expected from the seven tank mixes compared to registered uses of these products on corn.

Value Assessment

Data from a total of 27 field research trials were submitted for review. The trials were conducted in Quebec and Ontario in 2005, 2006, and 2007.

Efficacy data were not required to support tank mixtures with Callisto 480SC Herbicide plus Agral 90 or with Primextra II Magnum Herbicide for post-emergence application to Roundup Ready Corn2 varieties since they are already registered and included on the label of the tank mixture partner herbicide. Efficacy data were not required to support tank mixtures with Dual II Magnum Herbicide plus atrazine or with Frontier Herbicide plus atrazine for post-emergence application to Roundup Ready Corn2 varieties since these tank mixtures are already registered and included on the tank mix partner labels as pre-plant and pre-emergence applications in field corn and since both are registered for post-emergence application in field corn.

Data submitted from 18 field trials demonstrated that tank mixtures with Banvel II Herbicide or Distinct Herbicide plus Agral 90 plus UAN or Prowl 400 EC Herbicide plus atrazine provided similar or longer term control than Roundup WeatherMAX with Transorb2 Technology Liquid Herbicide applied alone.

Injury to Roundup Ready Corn2 varieties treated with one of the requested tank mixtures was generally low or not visually detectable. Yield data, collected in all 27 trials, further supported a claim of tolerance of Roundup Ready Corn2 varieties to each of the requested tank mixtures for which data were submitted.

Conclusion

The PMRA conducted an evaluation of the subject application and found the submitted information sufficient to support the proposed label amendment to include the new tank mixtures for use in Roundup Ready Corn2 varieties.

References

PMRA Document Number: 1778975

Reference: 2009, Trial reports: Efficacy and non-safety adverse effect-site summary and mean table, Data Numbering Code: 10.2.3.3, 10.3.2

PMRA Document Number: 1778960

Reference: 2009, Efficacy data to support the registration of Roundup WeatherMAX tank mix with Banvel II, Callisto 480SC, Distinct, Dual II Magnum + Atrazine, Frontier + Atrazine, Primextra II Magnum, Prowl + Atrazine in roundup ready corn 2, Data Numbering Code: 10.1, 10.2.2, 10.2.3, 10.2.3.3, 10.3.1, 10.3.2

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