

New Site/Host Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2005-3787
Application: Category B, Subcategory B.3.12, New Site/Host
Product: Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide
Registration Number: 27487
Active ingredients (a.i.): glyphosate
PMRA Document Number: 1489326

Background

Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide has been registered since October 17, 2003. The registered use pattern for this product includes post-emergence use on glyphosate-tolerant corn for the control of a range of weeds. 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 was to amend the registration of Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide to limit the use on glyphosate tolerant corn to only those varieties that are designated as "Roundup Ready® Corn 2".

Chemistry Assessment

A chemistry assessment was not required since there was no change to product chemistry.

Health Assessment

The amendment to the Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide product label to replace all references to "Glyphosate Tolerant Corn varieties" with "Roundup Ready® Corn 2 varieties" reflects a limitation of use, rather than an expansion of use. Therefore, there was no requirement for a toxicology or occupational/bystander exposure assessment. Residues of glyphosate are not expected to exceed the existing MRL for corn. Therefore, there is no expectation of an increase in dietary exposure.

Environmental Assessment

An environmental assessment was not required since the requested registration amendment involved only limiting the registered use on glyphosate tolerant corn varieties to those that are designated as "Roundup Ready® Corn 2". There was no other change to the use pattern, including host crops, application rates, and application timings.

Value Assessment

No value data were submitted with this application.

Corn varieties designated as "Roundup Ready® Corn 2" contain a different gene conferring tolerance to glyphosate than varieties designated as "Roundup Ready®", which the registrant has discontinued. The registrant has expressed concern that glyphosate-tolerant corn varieties containing the same gene as that in "Roundup Ready®" varieties may not possess an adequate level of tolerance to the higher rate (1800 g a.e./ha) of Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide. While the tolerance of "Roundup Ready® Corn 2" varieties to glyphosate applied at the higher rate was previously demonstrated (App. No. 2003-1549), it was indicated by the registrant that this was not the case for "Roundup Ready®" corn varieties since the latter had not been assessed for tolerance to applications of glyphosate at twice the maximum rate to simulate an overlap application and to establish margin of crop safety.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Roundup WeatherMax™ With Transorb® 2 Technology Liquid Herbicide to limit the use on glyphosate tolerant corn to only those varieties that are designated as "Roundup Ready® Corn 2".

References

Value

PMRA No. 594655. PMRA Review of Non-Safety Adverse Effects for Application No. 2003-1549. DACO 10.3.2. 8 p.

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