

## Evaluation Report for Category B, Subcategory 3.10, 3.12 Application

**Application Number:** 2020-2586  
**Application:** New or Changes to Product Labels - Tank Mixes; New Site or Host  
**Product:** Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide  
**Registration Number:** 27487  
**Active ingredient (a.i.):** Glyphosate (present as potassium salt)  
**PMRA Document Number :** 3257640

### Purpose of Application

The purpose of the application was to amend the label of Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide to add MON 87419 field corn as a host crop that can be treated pre-plant, pre-emergence or post-emergence (up to 6- or 8-leaf corn), and to add or replace tank-mix partners on the label.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicology assessment was not required for this application.

Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide for use on glyphosate-tolerant MON 87419 field corn (which is also tolerant to dicamba and glufosinate-ammonium) for annual and perennial weed control represents an expansion of the use pattern for glyphosate. No health risks of concern were identified provided that workers wear the appropriate personal protective equipment and follow all label directions.

No new residue data for glyphosate were submitted or are required to support amendment of the Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide label to include MON 87419 field corn, applied alone or in various tank-mix combinations. Previously reviewed residue data were re-assessed in the framework of this petition. MON 87419 field corn, in addition to the genetic traits that confer tolerance to dicamba and glufosinate-ammonium, contains the gene that confers tolerance to glyphosate, referred to as the Roundup Ready trait.

The use directions for Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide on MON 87419 field corn, including the method, timing and number of applications, and the application rates, are identical to the currently registered use on field corn varieties with Roundup Ready 2 Technology. No preharvest interval (PHI) is specified given the early timing of application (i.e. up to the 8-leaf stage). Based on this assessment, residues are

not expected to be greater than that for the currently registered uses and will be covered by the established MRLs. Consequently, dietary exposure to residues of glyphosate is not expected to increase and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The amendments to the registration of Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide to add MON 87419 field corn as a host crop and to replace Banvel II Herbicide with XtendiMax with VaporGrip Technology Herbicide as a tank mix partner are not expected to pose any additional environmental risks when used in accordance with label directions.

### **Value Assessment**

The registration of Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide on MON 87419 field corn for use alone or in various tank mixtures provides growers with a broad-spectrum weed management tool that can be used pre-plant, pre-emergence or post-emergence to this crop.

Value information submitted for review consisted of crop tolerance data from field trials conducted in Ontario in 2019 and scientific rationales. Crop injury was either slight or not detectable following application of Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide alone or in tank mixture with XtendiMax with VaporGrip Technology Herbicide or M1832 Herbicide to MON 87419 field corn. Furthermore, yield was not negatively impacted. The trial data together with the scientific rationales demonstrated that MON 87419 field corn can be expected to exhibit an adequate margin of crop safety to Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide applied in accordance with the label.

Based on the weight of available evidence, amending the Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide registration to include MON 87419 field corn as a host crop that can be treated alone pre-plant, pre-emergence or post-emergence (up to 6- or 8-leaf corn, depending on the rate required), or with various tank mixtures, is considered to have acceptable value.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendments to the product label of Roundup WeatherMAX With Transorb 2 Technology Liquid Herbicide.

### **References**

<b>PMRA Document Number</b>	<b>Reference</b>
3131228	2020, Value Dossier, DACO: 10.1.
3131231	2020, HT3 Corn Tolerance Trial 1 Report, DACO: 10.3.2(A).
3131232	2020, HT3 Corn Tolerance Trial 2 Report, DACO: 10.3.2(A).
3131233	2020, HT3 Corn Tolerance Trial 3 Report, DACO: 10.3.2(A).

<b>PMRA Document Number</b>	<b>Reference</b>
3131234	2020, HT3 Corn Tolerance Trial 4 Report, DACO: 10.3.2(A).
3131235	2020, HT3 Corn Tolerance Trial 5 Report, DACO: 10.3.2(A).

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