



Evaluation Report for Category B.3.12 Application

Application Number: 2011-1159
Application: New Site or Host
Product: Roundup Weathermax With Transorb 2 Technology Liquid Herbicide
Registration Number: 27487
Active ingredients (a.i.): Glyphosate (Present As Potassium Salt) [GPP]
PMRA Document Number: 2250765

Purpose of Application

The purpose of this application was to add the crop Flex Canola varieties and the claim of season long control of dandelion to the label of for Roundup Weathermax With Transorb 2 Technology Liquid Herbicide.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Field trial data for glyphosate in Roundup Ready Flex Canola were submitted to support the use expansion to this crop on the Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide label. In addition, a processing study in treated Roundup Ready Flex Canola was assessed to determine the potential for concentration of residues of glyphosate into the processed commodities.

Maximum Residue Limit(s)

Based on the maximum residues observed in Roundup Ready Flex Canola treated according to label directions, the maximum residue limit (MRL) currently established for glyphosate on glyphosate tolerant canola is adequate to cover this use. Residues in processed commodities not listed in Table 1 are covered under established MRLs for the raw agricultural commodity(ies) (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)

Commodity	Application Method/ Total Application Rate (kg a.e./ha)	PHI (days)	Combined Residues of Glyphosate and AMPA (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL
			Min	Max			
Roundup Ready Flex Canola	Pre-emergence/4.136-4.446/ 4-6 leaves to 1 st flower/ 1.815-1.826 (Total 5.951-6.272)	41-83	<0.23	8.71	No concentration in canola oil	10 (20*)	None

* Under promulgation.

The use of Roundup Weathermax with Transorb 2 Technology Liquid Herbicide on Roundup Ready Flex Canola fits within the registered use pattern for this active ingredient. No unacceptable risks are expected from this.

Environmental Assessment

Environmental concerns have been mitigated through precautionary statements and buffer zones on the product label.

Value Assessment

Data from a total of 11 efficacy field trials and 16 crop tolerance field trials conducted in Alberta, Saskatchewan, and Manitoba in 2009 and 2010 were submitted for review.

Efficacy of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide applied once at 450, 675, 900, and 1800 g a.e./ha and applied sequentially at 900 g a.e./ha followed by 900 g a.e./ha for a new weed claim of season long control of dandelion was evaluated on 2 occasions during the growing season. The submitted data indicated that the level of dandelion control following a single application at 1800 g a.e./ha and sequential applications at 900 g a.e./ha followed 900 g a.e./ha was acceptable.

Crop tolerance of Roundup Ready Flex canola to a single application of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide at the 1 x maximum rate of 1800 g a.e./ha and the exaggerated 2 x rate of 3600 g a.e./ha was reported. Crop injury to Roundup Ready Flex canola was either slight or not detectable following the application of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide at either 1800 or 3600 g a.e./ha. Further more, yield data confirmed that Roundup Ready Flex canola exhibited an adequate margin of crop safety to Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide applied in accordance with the label. Therefore, inclusion of use of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide on Roundup Ready Flex canola varieties was supported from a value perspective.

Conclusion

Following the review of all available data, the current MRL of 10 ppm for glyphosate tolerant canola is considered acceptable. Residues in these crop commodities at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The Pest Management Regulatory Agency has completed an assessment of information available in support of Roundup Weathermax With Transorb 2 Technology Liquid Herbicide and has found the information sufficient to add the crop Roundup Ready (RR) Flex Canola varieties and the weed claim of season long control of dandelion to Roundup Weathermax With Transorb 2 Technology Liquid Herbicide.

References

PMRA

Document

Number

Reference

2025582	2011, MSL 22985 Magnitude of Glyphosate Residues Following Topical Application of a Glyphosate Based Formulation, DACO: 7.2,7.4.1
2025588	2011, MSL 22986 Magnitude of Glyphosate Residues Following Topical Application of a Glyphosate Based Formulation, DACO: 7.2,7.4.1
2025590	2011, MSL 22984 Magnitude of Glyphosate Residues Following Topical Application of a Glyphosate Based Formulation, DACO: 7.2,7.4.1
2025575	Tolerance data (Trial report – 2). February 9, 2011. DACO 10.3.2. pp 230.
2025573	Dandelion trial information (Trial report – 3). February 9, 2011. DACO 10.2.3.3. pp 61.

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