

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2012-5475  
**Application:** New MRL for previously assessed TGAI  
**Product:** Glyphosate Technical Grade  
**Registration Number:** 19535  
**Active ingredients (a.i.):** Glyphosate  
**PMRA Document Number :** 2363446

### Purpose of Application

The purpose of the present submission was to establish an import maximum residue level (MRL) on glyphosate-tolerant undelinted cotton seeds.

### Chemistry, Environmental and Value Assessments

Chemistry, environmental and value assessments were not required for this application.

### Health Assessments

Residue data from field trials conducted in the United States were submitted to support the maximum residue limit on imported glyphosate-tolerant cotton (Roundup Ready Flex cotton). In addition, a processing study in treated glyphosate-tolerant cotton was reviewed to determine the potential for concentration of residues of glyphosate into processed commodities.

### Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for glyphosate was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of glyphosate [*N*-(phosphonomethyl)glycine] and its metabolite AMPA (aminomethylphosphonic acid) in/on undelinted cotton seeds is proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRL for the raw agricultural commodities (RACs).

**TABLE 1. Summary of Field Trial and Processing Data Used to Support the Maximum Residue Limit (MRL)**

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			

Commodity	Application Method/	PHI (days)	Residues (ppm)		Experimental Processing	Currently Established	Recommended MRL
Undelinted cotton seeds	Foliar / 6550-6866	6-8	<0.05	30.5	NA	None	40

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Glyphosate Technical, and has found the information sufficient to establish an import maximum residue level on glyphosate-tolerant undelinted cotton seeds

### References

PMRA Document Number	Reference
2256174	1997, Nature of Glyphosate Residues in Cotton Plants (Genotype Line #1445) Tolerant to Roundup Herbicide, Report No. MSL 14113, Unpublished study prepared by Monsanto Company, 202 pages, DACO: 6.3
2256188	2003, Magnitude of Glyphosate Residues in Roundup Ready® Flex Cotton Raw Agricultural Commodities Following Topical Applications of a Glyphosate-Based Formulation, DACO: 7.2.1, 7.4.1, 7.4.2

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