

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2015-1593  
**Application:** B.5.0 - New MRL for Previously Assessed TGAI  
**Product:** Rimsulfuron Technical Herbicide  
**Registration Number:** 23517  
**Active ingredients (a.i.):** Rimsulfuron  
**PMRA Document Number:** 2739715

### Purpose of Application

The purpose of this application was to establish an import MRL for rimsulfuron in/on sorghum.

### Chemistry, Environmental and Value Assessments

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

### Health Assessments

Residue data for rimsulfuron in sorghum were submitted to support the maximum residue limit on imported sorghum. In addition, processing studies in treated sorghum and field corn were reviewed to determine the potential for concentration of residues of rimsulfuron into processed commodities.

### Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for rimsulfuron was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of rimsulfuron in/on sorghum are 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 commodity (RAC).

**Table 1 Summary of Field Trial Data Used to Support 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)
			LAFT	HAFT			
Sorghum, grain	Foliar broadcast/ 34-37	67-123	<0.01	<0.01	-	None	0.01
Field corn, grain	Foliar broadcast/ 344-351	5-7	<0.01	0.024	1.2x (flour)	None	None

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

**Conclusion**

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of rimsulfuron. Residues in this commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## References

<b>PMRA #</b>	<b>Reference</b>
1753224	Magnitude of Sulfonylurea Residues in/on Grain, Aspirated Grain Fractions and Processed Fractions (Starch, Grits, Flour, Refined oil (Wet milling), Refined oil (Dry Milling) and Meal (Dry milling) of a Field Corn Line Containing Event DP-Ø9814Ø-6 Following a Variety of Tank Mix Applications of Two Glyphosate and Rimsulfuron, Tribenuron Methyl, Chlorimuron Ethyl, and Metsulfuron Methyl Containing Herbicides at Maximum Label Rates – United States and Canadian Locations, Season 2006
2621662	2012, Magnitude of Rimsulfuron residues in ALS-Tolerant Grain Sorghum following foliar applications with DPX-E9636 25SG - US, 2011, DACO: 7.4,7.4.1,7.4.2
2621669	2014, Data Evaluation Report for DuPont-32032, DACO: 7.8

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