

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2018-6191  
**Application:** New MRL for previously assessed TGAI  
**Product:** Pydiflumetofen Technical  
**Registration Number:** 33017  
**Active ingredient (a.i.):** Pydiflumetofen  
**PMRA Document Number:** 3097884

### Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) on imported sorghum, cotton and citrus for the active ingredient pydiflumetofen.

### Health Assessments

Toxicology and occupational exposure assessments were not required for this application.

Residue data for pydiflumetofen in citrus (Crop Group 10R), sorghum and cottonseeds (Crop Subgroup 20C) were submitted to support the maximum residue limits on imported crops. In addition, processing studies in treated oranges, sorghum and cottonseed were reviewed to determine the potential for concentration of residues of pydiflumetofen into processed commodities.

### Maximum Residue Limits

The recommendation for MRLs for pydiflumetofen was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of pydiflumetofen in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

**Table 1 Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)**

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Mean Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Grapefruit	Foliar broadcast/ 334-343	0	0.093	0.581	N/A	None	1.0 (CG 10R) 30 citrus oil 1.5 citrus peel
Lemon	Foliar broadcast/ 336-344	0	0.021	0.457	N/A		
Orange/Tangerine	Foliar broadcast/ 335-344	0-14	0.110	0.676	Juice: <0.02x Oil: 44x Peel: 1.9x		
Sorghum Grain	Foliar broadcast/ 244-262	18-25	0.108	1.84	Flour: 0.9x		3.0
Cotton undelinted seed	Foliar broadcast/ 248-258	28-38	<0.010	0.291	Refined oil: 0.03x		0.4 (CSG 20C)

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

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of pydiflumetofen. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### **Chemistry, Environmental and Value Assessments**

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

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to recommend the MRLs as proposed in Table 1 to cover residues of pydiflumetofen in/on imported sorghum, cotton and citrus.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2937433	2018, Magnitude of the Residues of A19649B (Pydiflumetofen) in Citrus and Orange Processed Commodities Following Applications of A19649B - Final Report, DACO: 7.4.1,7.4.2,7.4.5
2937434	2018, Pydiflumetofen (A19649B) - Magnitude of the Residues in Sorghum - USA 2017 - Final Report Amendment 1, DACO: 7.4.1,7.4.2,7.4.5
2937432	2018, Pydiflumetofen SC (A19649B) - Magnitude of the Residue in or on Cotton - USA 2016 - Final Report Amendment 1, DACO: 7.4.1,7.4.2,7.4.5

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