

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2015-7115  
**Application:** New MRL for previously assessed TGAI  
**Product:** Thiamethoxam Technical  
**Registration Number:** 26665  
**Active ingredients (a.i.):** Thiamethoxam  
**PMRA Document Number:** 2631939

### Purpose of Application

The purpose of this application was to establish and/or amend MRLs on peanuts and onions imported from the US; tea imported from Japan; coffee imported from Brazil, Colombia and Costa Rica; and bananas imported from Central and South America.

### Chemistry, Environmental and Value Assessments

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

### Health Assessments

Residue data for thiamethoxam in dry bulb onions, peanuts, bananas, tea and coffee were submitted to support the maximum residue limits on imported dry bulb onions, bananas, peanuts, green coffee beans and tea (dried leaves). In addition, processing data for treated peanuts, coffee and tea were reviewed to determine the potential for concentration of residues of thiamethoxam into processed commodities.

### Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for thiamethoxam was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of thiamethoxam and metabolite CGA 322704 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	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Green coffee beans	Soil drench application / 500 g ai/ha	90	0.03	0.04	None	0.05	0.20
Dry bulb onions	Seed treatment / 0.2 mg ai/seed	119-170	<0.02	0.024	None	0.02 (under 'all food crops')	0.03
Peanuts	Seed treatment / 0.2 mg ai/seed	111-153	<0.02	0.030	None		0.05
Tea (dried leaves)	Foliar broadcast application / 0.10 kg ai/ha	7	2.28	9.31	None		20
Bananas	Soil drench or Root zone application / 0.72-1.15 kg ai/ha	0	<0.02	0.026	None		0.03

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 thiamethoxam. 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.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and is able to support the establishment of MRLs on imported commodities as detailed above.

## References

PMRA Document Number	Reference
2595997	2010, Thiamethoxam - Determination of Thiamethoxam Residues and CGA322704 in Vegetal Samples by LC/MS/MS Analytical Method, DACO: 7.2.1,7.2.2,7.2.3,7.4.1
2596001	2011, Thiamethoxam (A9584C) <i>iii</i> Magnitude of the Residues in or on Coffee - Final Report, DACO: 7.4.1,7.4.5
2596003	2008, Thiamethoxam - Magnitude of the Residues in or on Onion, Dry Bulb, Following Seed Treatment Application - Final Report, DACO: 7.2.1,7.4.1,7.4.2
2596004	2000, CGA-293343 + CGA-169374 - Magnitude of Residues In or On Peanuts, DACO: 7.2.1,7.4.1,7.4.2,7.4.5
2596005	2014, Abamectin and Thiamethoxam - Abamectin + Thiamethoxam SC (A15913C) Magnitude of the Residues in or on Banana - Final Report, DACO: 7.2.1,7.4.1,7.4.2
2596007	2009, Thiamethoxam - Verdadero 20 GR and Actara 10 GR <i>iii</i> Magnitude of Thiamethoxam, CGA322704 and Cyproconazole Residues in Coffee (Sequential Treatment) <i>iii</i> Brazil, 2008-09 (04 Trials) - Final Report, DACO: 7.4.1
2596008	2011, Thiamethoxam - Verdadero 600 WG and Actara 250 WG <i>iii</i> Magnitude of Thiamethoxam, CGA322704, and Cyproconazole Residues in Coffee (Sequential Treatment) <i>iii</i> Brazil, 2008-09 (06 Trials), DACO: 7.4.1,7.4.5
2596009	1998, Thiamethoxam - Crop Residue Analysis Report in Tea - Final Report, DACO: 7.2.1,7.4.1,7.4.5
2596010	1998, Thiamethoxam - Crop Residue Analysis Report in Tea - Final Report, DACO: 7.2.1,7.4.1,7.4.5
2596011	1998, Thiamethoxam - Crop Residue Analysis Report in Tea - Final Report, DACO: 7.2.1,7.4.1,7.4.5
2596012	2002, Thiamethoxam - Crop Residue Analysis Report in Tea - Final Report, DACO: 7.2.1,7.4.1,7.4.5
2596014	2002, Thiamethoxam - Crop Residue Analysis Report in Tea, DACO: 7.4.1
2596015	2002, Thiamethoxam - Crop Residue Analysis Report in Tea, DACO: 7.4.1

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