

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2015-3027  
**Application:** B.5.0 - New MRL for Previously Assessed TGAI  
**Product:** Prothioconazole Technical Fungicide  
**Registration Number:** 28358  
**Active ingredients (a.i.):** Prothioconazole  
**PMRA Document Number :** 2702323

### Purpose of Application

The purpose of this application was to establish an import MRL in/on cotton.

### Chemistry, Environment and Value Assessments

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

### Health Assessment

Residue data for total residues of prothioconazole in cotton were submitted to support the maximum residue limit on imported cotton. In addition, a processing study in treated cotton was reviewed to determine the potential for concentration of total residues of prothioconazole into processed commodities.

### Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for prothioconazole and prothioconazole-desthio was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). An MRL to cover total residues of prothioconazole and prothioconazole-desthio in/on crops and processed commodities 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 commodity (RAC).

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

Commodity	Application Method/ Total Application Rate (kg ai/ha)	PHI (days)	Total Residues <sup>1</sup> (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Undelinted cotton seeds	Foliar/0.60-0.61	27-40	<0.04	0.26	Refined oil (0.12)	None	0.4

<sup>1</sup>Total Residues = Sum of prothioconazole and prothioconazole-desthio, expressed as parent equivalents

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

**Conclusion**

The PMRA has reviewed the information provided to establish an MRL in/on cotton. Based on the results of this review, the import MRL as presented in Table 1 is acceptable.

## References

2549466	2015, Proline 480 SC and Gem 500 SC - Magnitude of the residue in/on cotton, DACO: 7.4.1,7.4.2
2549467	2015, Proline 480 SC and Gem 500 SC - Magnitude of the residue in/on cotton processed commodities, DACO: 7.4.5

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