

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2010-2902  
**Application:** B.5.0 (New MRL for previously assessed TGAI)  
**Product:** Metconazole Fungicide Technical  
**Registration Number:** 29766  
**Active ingredients (a.i.):** Metconazole (GHA)  
**PMRA Document Number English PDF:** 2094524

### Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) to cover residues of metconazole in/on imported apricots, cherries, nectarines, peaches, plums, almonds, filberts, pecans, walnuts, pistachios and peanuts.

### Health Assessments

Residue data for metconazole in cherries, peaches, plums, almonds, pecans and peanuts were submitted to support the establishment of MRLs for this active ingredient in/on imported apricots, cherries, nectarines, peaches, plums, almonds, filberts, pecans, walnuts, pistachios and peanuts. In addition, processing studies in treated plums and peanuts were also assessed to determine the potential for concentration of residues of metconazole into processed commodities.

### Maximum Residue Limit(s)

Recommendations for MRLs for metconazole in/on imported stone fruits (Crop Group 12-09), tree nuts (Crop Group 14-11) and peanuts were based the OECD MRL Calculator User Guide (2011).

Based on MRL statistical methodology and residue data from field trials conducted according to the United States label directions and/or exaggerated rates, MRLs to cover residues of metconazole in/on imported stone fruits (Crop Group 12-09), tree nuts (Crop Group 14-11) and peanuts will be established as shown in Table 1. Residues of metconazole in processed commodities not listed in Table 1 are covered under the MRLs for the raw agricultural commodities (RACs).

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Cherries	454-509	13-14	<0.02	0.16	Not applicable	None	0.2 ppm for Stone Fruit (Crop Group 12-09)
Peaches	452-467	13-14	<0.02	0.09	Not applicable	None	
Plums	454-465	14	<0.02	<0.04	2.2 in dried plums	None	
Almonds	449-615	25	<0.02	<0.02	Not applicable	None	0.04 ppm for Tree Nuts (Crop Group 14-11)
Pecans	543-610	25	<0.02	<0.02	Not applicable		
Peanuts	547-576	13-15	<0.02	<0.02	1.4 in refined oil	None	0.04 ppm for peanuts;  0.05 ppm for refined peanut oil

### Chemistry, Environmental and Value Assessments

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

### Conclusion

Following the review of all available data, MRLs are recommended to cover residues of metconazole in/on imported Stone Fruits (Crop Group 12-09), Tree Nuts (14-11), peanuts and refined peanut oil. Residues of metconazole in these commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## References

PMRA #	Document
1925571	2006, RM-41C-1-1. Determination of <i>cis</i> -Metconazole and <i>trans</i> -Metconazole in Crops; DACO 7.2.1, 7.2.2, and 7.2.3
1925572	2006, Independent Laboratory Validation of the Analytical Method RM-41C-1, Determination of <i>cis</i> -Metconazole and <i>trans</i> -Metconazole in Crops; DACO 7.2.1, 7.2.2, and 7.2.3
1925574	2009, Assessment of Multiresidue Methodology as Presented in Pesticide Analytical Manual (PAM), Volume I, for the Determination of Metconazole in almonds and Peaches; DACO 7.2.4
1925579	2006, Magnitude of the Residues of Metconazole on Cherries; DACO 7.4.1/7.4.2
1925576	2006, Magnitude of the Residues of Metconazole on Peaches; DACO 7.4.1/7.4.2
1925580	2006, Magnitude of the Residues of Metconazole on Plums and Dried Plums; DACO 7.4.1/7.4.2
1925577	2008, Magnitude of the Residues of Metconazole on Pecans (2006 Trials); DACO 7.4.1/7.4.2
1925581	2006, Magnitude of the Residues of Metconazole on Pecans; DACO 7.4.1/7.4.2
1925575	2006, Magnitude of the Residues of Metconazole on Almonds; DACO 7.4.1/7.4.2
1925583	2006, Magnitude of the Residues of Metconazole on Peanut Nutmeats and Peanut Processing; DACO 7.4.1/7.4.2 and 7.4.5

ISSN: 1911-8082

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