

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2011-3323
Application: B.5.0 (New MRL for previously assessed TGAI)
Product: Folicur Technical Fungicide
Registration Number: 25763
Active ingredients (a.i.): Tebuconazole
PMRA Document Number : 2216401

Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) to cover residues of tebuconazole in/on imported cucurbit vegetables, tree nuts, field corn, sweet corn and popcorn.

Chemistry, Environmental and Value Assessments

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

Health Assessment

Residue data in a variety of crops were assessed in support of the establishment of MRLs for tebuconazole in/on various imported crop commodities. Following the review of the data, MRLs for tebuconazole in/on sweet corn kernels plus cob with husks removed, Crop Subgroup 9A (Melon Subgroup), Crop Subgroup 9B (Squash/Cucumber Subgroup), field corn, popcorn grain, and Crop Group 14-11 (Tree Nuts Group) are being proposed.

Maximum Residue Limit(s)

Based on the residues observed in commodities following treatment(s) with tebuconazole according to the US label directions, the MRLs to cover residues of tebuconazole in/on various imported commodities will be established as shown in Table 1. MRLs apply to the raw agricultural commodities, as well as any processed commodities, except where separate MRLs are specified for the proposed fraction.

TABLE 1. Summary of Field Trial Data Used to Establish Maximum Residue Limit(s)							
Commodity	Appli. Method/ Total Appli. Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Field corn	Foliar broadcast/ 745-781	36-71	<0.01	<0.01	-	-	0.05 (extended to popcorn)
Sweet corn kernels plus cob with husks removed	Foliar broadcast/ 747-766	6-7	<0.01	0.44	-	-	0.5

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Commodity	Appli. Method/ Total Appli. Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Cucumber	Foliar broadcast/ 476-704	2	<0.04	0.06	-	-	0.09 (Crop Subgroup 9B)
Squash (summer)	Foliar broadcast/ 504-774	6-7	<0.05	0.07	-	-	
Cantaloupe	Banded and/or foliar broadcast/ 767-1038	6-8	<0.02	0.24	-	-	0.4 (Crop Subgroup 9A)
Almond	Foliar broadcast/ 1008	29-35	<0.05	<0.05	-	-	0.05 (Crop Group 14-11)
Pecan	Foliar broadcast/ 1008	19-50	<0.05	<0.05	-	-	

Conclusions

Following the review of the data, MRLs for tebuconazole in/on various imported commodities are recommended. Residues of tebuconazole at the recommended MRLs are not expected to pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA Document Number	Reference
2086989	1996, Folicur 3.6 F - Magnitude of the residue on pecans, DACO: 7.2.1,7.4.1
2086990	1999, Tebuconazole: Magnitude of the residue on cucumber, DACO: 7.2.1,7.2.3,7.3,7.4.1
2086991	2005, Folicur 3.6F - Magnitude of the residue in sweet corn, DACO: 7.4.1,7.4.2
2086992	1997, Elite 45DF - Magnitude of the residue in almonds, DACO: 7.2.1,7.4.1,7.4.2
2086993	1999, Tebuconazole: Magnitude of the residue on squash (summer), DACO: 7.2.1,7.2.3,7.3,7.4.1,7.4.2
2086996	1999, Tebuconazole: Magnitude of the residue on cantaloup, DACO: 7.2.1,7.3,7.4.1,7.4.2
2086998	2000, Folicur 3.6F - Magnitude of the residue in field corn, DACO: 7.2.5,7.4.1,7.4.2,7.4.6
2087004	2000, Folicur 3.6F - Request for waiver of the residue in corn aspirated grain fractions and corn processed products, DACO: 7.4.5
2185407	2012, Tebuconazole: Magnitude of Residue on Cantaloupe, DACO: 7.4.1

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