

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2012-3323
Application: New MRL for previously assessed TGAI
Product: Pyridaben Technical Miticide
Registration Number: 25133
Active ingredients (a.i.): Pyridaben [PYD]
PMRA Document Number: 2330162

Purpose of Application

The purpose of this application was to harmonize import maximum residue limits (MRLs) on various commodities.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Residue data for pyridaben in/on Crop Group 10-Revised (Citrus fruits), Crop Group 12-09 (Stone fruits), Crop Subgroup 13-07F (Small fruit vine climbing, except fuzzy kiwifruit) and Crop Subgroup 13-07H (Low growing berry, except strawberry) were submitted to support the setting of maximum residue limits on these commodities. In addition, processing studies in treated plums, grapes and oranges were reviewed or reassessed to determine the potential for concentration of residues of pyridaben into processed commodities.

Maximum Residue Limits

The recommendation for import MRLs for pyridaben was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of pyridaben in/on various 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)

Crop Group	Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
				Min	Max			
Stone fruits (Crop Group 12-09)	Cherries	Foliar / 1090-1270	6-8	<0.05	1.28	None	1.3 (sweet and tart cherries)	3.0
	Plums	Foliar / 1113-1135	7	<0.05	0.68	3.1 (prune)	None	
	Peaches	Foliar / 1109-1123	6-7	<0.05	2.36	None	1.5	
Small fruit vine climbing, except fuzzy kiwifruit (Crop Subgroup 13-07F)	Grapes	Foliar / 1120	7	0.17	1.38	0.8 (raisins), 0.06 (grape juice)	0.3	2.0
Citrus fruits (Crop Group 10-Revised)	Oranges	Foliar / 1120-1680	7	<0.05	0.37	25 (orange oil), 0.10 (orange juice)	None	0.9 10 (citrus oil)
	Lemons	Foliar / 1120-1680	7	0.07	0.43	None	None	
	Grapefruits	Foliar / 1120-1680	7	<0.05	0.27	None	None	
Low growing berry, except strawberry (Crop Subgroup 13-07H)	Cranberries	Foliar / 1120	19-20	0.17	0.41	None	None	0.9

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the [Residue Chemistry Crop Groups](#) webpage in the Pesticides and Pest Management section of Health Canada's website.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

A value assessment was not required for this application.

Conclusion

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of pyridaben in imported commodities. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population.

References

PMRA Document Number	Reference
2219534	1999, Pyridaben: Magnitude of the Residue on Cranberry, DACO: 7.2.1,7.4.1
2219524	1998, Magnitude of Pyridaben Residues in Peaches – Additional Georgia Sites, DACO: 7.2.1,7.4.1
2219525	1997, Magnitude of Pyridaben Residues in Plums, DACO: 7.2.1,7.4.1
2219531	1997, Magnitude of Pyridaben Residues in Plum Process Fractions, DACO: 7.2.1,7.4.1

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