

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2013-6831
Application: New MRL for previously assessed TGAI
Product: Cyprodinil Technical Fungicide
Registration Number: 25508
Active ingredients (a.i.): Cyprodinil
PMRA Document Number : 2418499

Purpose of Application

The purpose of this application was to establish new import maximum residue limits (MRLs) for cyprodinil in/on several crops and to revise some of the established Canadian cyprodinil MRLs.

Chemistry, Environmental, and Value Assessments

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

Health Assessments

Residue data from field trials conducted in the various crops were assessed in the framework of this petition to support the importation from the United States of leaf petioles (crop subgroup (CSG) 4B), globe artichokes, guavas and pomegranates treated with cyprodinil.

Previously reviewed residue data from cabbage, broccoli, grapes and pistachio nuts were reassessed in the framework of this petition to support the importation from the United States of head and stem *Brassica* (CSG 5A), small fruit vine climbing, except fuzzy kiwifruit (CSG 13-07F) and pistachio nuts. In addition, a processing study in treated grapes was also reassessed to determine the potential for concentration of residues of cyprodinil into processed commodities.

Residue data from field trials conducted in/on peaches and cherries along with previously reviewed residue data from peaches, cherries and plums were (re-)assessed in the framework of this petition to support the extension of the currently established MRL of 2.0 ppm in/on stone fruits (crop group (CG) 12) to the revised stone fruits (CG 12-09). In addition, a processing study in treated plums was also reassessed to determine the potential for concentration of residues of cyprodinil into processed commodities.

Maximum Residue Limit

The recommendation for maximum residue limits (MRLs) for cyprodinil was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. MRLs to cover residues of cyprodinil 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 Establish Maximum Residue Limits (MRLs).							
Commodity	Application Method; Maximum Application Rate (kg ai/ha)	PHI (days)	Residues (ppm)		Experimental Processing Factors	Currently Established MRL	Proposed MRL
			LAFT	HAFT			
Celery	Broadcast foliar; 1.50	0	3.8	18	N/A	None	30 [CSG 4B]
Globe artichokes	Foliar directed; 1.85	3	0.93	1.3	N/A	None	4.0
Guavas	Foliar directed; 1.60	0	0.36	0.52	N/A	None	1.5
Pomegranates	Post-harvest double dip; 111 g ai/100 L	0	2.6	3.4	N/A	None	10
Cabbage with wrapper leaves	Broadcast foliar; 1.47	6-8	<0.02	0.32	N/A	1.0	1.0 ¹ [CSG 5A]
Broccoli		6-7	<0.02	0.43	N/A	None	
Grapes	Broadcast foliar; 2.24	7	<0.02	1.9	0.29-fold (juice) 1.5-fold (raisins)	2.0 [CSG 13-07F] 3.0 [raisins]	3.0 ² [CSG 13-07F]
Pistachio nuts	Broadcast foliar; 1.47	7	<0.02	0.04	N/A	0.05	0.1 ³
Peaches	Foliar spray; 2.9	0-1	0.63	0.97	2-fold (dried prune plums)	2.0 [CG 12]	2.0 ⁴ [CG 12-09]
Cherries			0.26	1.3			
			0.51	1.5			
			0.53	1.7			
Plums			0.08	0.65			

¹ The current MRL of 1.0 ppm in/on cabbage will be extended to CSG 5A under the current submission.

² This proposed MRL will replace the current MRL of 2.0 ppm in/on CSG 13-07F.

³ This proposed MRL will replace the current MRL of 0.05 ppm in/on pistachio nuts.

⁴ The current MRL of 2.0 ppm in/on CG 12 will be extended to the revised CG 12-09 under the current submission.

Conclusion

Following the review of all available data, MRLs for imported leaf petioles (CSG 4B), globe artichokes, guavas, pomegranates, head and stem *Brassica* (CSG 5A), small fruit vine climbing, except fuzzy kiwifruit (CSG 13-07F), pistachio nuts and stone fruits (CG 12-09) are

recommended to cover residues of cyprodinil. Residues of cyprodinil in these crops 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

Number	Reference
2369032	2011, Cyprodinil/Fludioxonil WG (A9219B) - Magnitude of the Residues in or on Celery, Representative Commodity, Crop Group 4B, DACO: 7.4.1,7.4.2
2369033	2013, Cyprodinil + Fludioxonil: Magnitude of the Residue on Guava, DACO: 7.4.1,7.4.2
2369034	2012, Difenoconazole + Cyprodinil: Magnitude of the Residues on artichoke, DACO: 7.4.1,7.4.2
2369035	2013, Cyprodinil + Fludioxonil: Magnitude of the Residues on Pomegranate (Post-harvest), DACO: 7.4.1,7.4.2
2369044	1998, CGA-219417 - Magnitude of the Residue in or on Crop Group 12: Stone Fruit., DACO: 7.4.1

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