

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2009-0486
Application: New MRL for previously assessed TGAI
Product: Rynaxypyr Technical Insecticide
Registration Number: 28979
Active ingredients (a.i.): Chlorantraniliprole
PMRA Document Number English PDF: 2097595

Purpose of Application

The purpose of this application is to establish maximum residue limits (MRLs) to cover residues of chlorantraniliprole in/on imported coffee and rice commodities. MRLs to cover the unlimited adjuvant use in the US on Pome Fruit (CG 11) and Stone Fruit (CG 12) imported into Canada, as well as changes to the preharvest interval (PHI), also requested on the domestic Altacor Insecticide label, (S2009-0132; from 14 to 5 days for Pome Fruit and from 10 to 1 day for Stone Fruit) are also being considered under this submission.

Chemistry Assessment

A chemistry assessment was not required for this application since chlorantraniliprole is already registered in Canada.

Health Assessment

Residue data for chlorantraniliprole for coffee and rice were submitted to support import of coffee and rice into Canada from the US. In addition, side-by-side trials for Stone Fruit (CG 12) and residue data for Pome Fruit (CG 11) were reviewed to support unlimited adjuvant use.

Maximum Residue Limits

Based on the maximum residues observed in crops treated according to label directions, MRLs to cover residues of chlorantraniliprole in/on crops will be proposed as shown in Table 1. Residues of chlorantraniliprole 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 Limit(s) (MRLs)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Coffee	Foliar / 157 g a.i./ha	7-8	0.10	0.12	4.4		0.15 (green bean) 1.0 (instant)
Rice	Seed Treatment/ ~560 g a.i./ha (~0.1 mg a.i./seed)	na	<0.01	0.087	-	-	0.15
Peaches	Foliar / 225 (with adjuvant use)	1	0.04	1.12	-	1.0	2.5
Plums							
Cherries							
Apple	Foliar / 225 (with adjuvant use)	5	0.01	0.39	-	0.30	0.40
Pear							

Neither an occupational exposure nor a toxicological review were required for this application.

Environmental and Value Assessments

Neither an environmental review nor a value review was required for this application.

Conclusions

Following the review of all available data, MRLs for crops imported into Canada from the US are recommended to cover residues of chlorantraniliprole. Residues of chlorantraniliprole in these crop 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 #	Reference:
1701297	2008, Chlorantraniliprole registration plan (residues) - Collaboration between DuPont Crop Protection and the IR-4 project , DACO: 7.4.1
1693491	2007, Test report on DPX-E2Y45 residue after application of DPX-E2Y45 35% WG insecticide to coffee crops, DACO: 7.4.1
1693492	2007, Analysis report on DPX-E2Y45 residue after application of DPX-E2Y45 35% WG insecticide to coffee crops, DACO: 7.4.1
1693493	2007, Test report on DPX-E2Y45 residue after application of DPX-E2Y45 35% WG insecticide to coffee crops, DACO: 7.4.1
1693494	2007, Test report on DPX-E2Y45 residue after application of DPX-E2Y45 35% WG insecticide to coffee crops, DACO: 7.4.1
1693481	2008, Magnitude of chlorantraniliprole residues in rice combined with magnitude of chlorantraniliprole residues in processed fractions of rice following seed treatment with chlorantraniliprole (DPX-E2Y45) 60FS - U.S., 2007, DACO: 7.4.1
1693498	2008, Request and justification for a waiver of poultry feeding study with chlorantraniliprole, DACO: 7.5
1787235	2008, Request for removal of adjuvant restrictions from the Clorantranililprole 35WG label, DACO: 7.8

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