

Evaluation Report for Category B, Subcategory 3.11, 3.12, 3.6 Application

Application Number: 2009-0132
Application: New or changes to product label (new pests, new site/host, pre-harvest)
Product: DuPont Altacor Insecticide
Registration Number: 28981
Active ingredients (a.i.): Chlorantraniliprole [JIY]
PMRA Document Number : 1927022

Purpose of Application

The purpose of this application is to add new crops and pests to the registered uses for Dupont Altacor Insecticide (Registration Number 28981), as well as lower the pre-harvest interval (PHI) for previously registered crops. Dupont Altacor Insecticide contains the active ingredient chlorantraniliprole at 35%.

Chemistry Assessment

A chemistry review was not required for this application.

Health Assessments

The proposed label changes do not impact on the acute toxicity profile of Dupont Altacor Insecticide.

A health assessment has been conducted for Dupont Altacor Insecticide. Exposure to mixer/loader/applicators, persons performing post-application activities and bystanders are not of concern as no health hazard to chlorantraniliprole was identified for short- to intermediate-term exposure scenarios.

Residue data for chlorantraniliprole in almond and pecan, were submitted to support the use expansion of the Altacor Insecticide label. In addition residue data for Pome Fruits (CG 11), and Stone Fruits (CG 12) were reassessed to support a reduction in PHI (from 14 to 5 days for Pome Fruit, and from 10 to 1 day for Stone Fruit).

Maximum Residue Limits

Based on the maximum residues observed in crop commodities treated according to label directions, maximum residue limits (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).

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Almond	Foliar / 224	10	<0.01	0.016	-	-	0.02 (Tree Nuts, CG 14)
Pecan							
Apple	Foliar / 225	5	0.01	0.39	-	0.30	0.40
Pear							
Peaches	Foliar / 225	1	0.04	1.12	-	1.0	2.5
Plums							
Cherries							

Based on the calculated dietary burden and residue data for feed items derived from the proposed food commodities, as described in this Evaluation Report and the Evaluation Report for Submission number 2008-6105, the following MRLs for livestock commodities will be proposed to cover residues of chlorantraniliprole. An MRL of 0.01 ppm will be proposed for fat, meat, and meat byproducts of hogs and poultry, as well as for eggs. An MRL of 0.05 ppm will be proposed for meat byproducts and fat of cattle, sheep, horse, and goat.

Environmental Assessment

E.I. du Pont Canada has proposed to expand the use of the subject product to include the following crops: tree nuts, strawberries, and persimmons. An environmental risk assessment was not required for the proposed use expansion because the proposed maximum application rates do not exceed the currently registered rates. The EAD does not expect an increase in environmental risk from chlorantraniliprole when the subject product is applied according to the product label and the prescribed mitigation measures.

Value Assessment

Based on the registered uses of Dupont Altacor Insecticide for control of codling moth on pome fruits and obliquebanded leafroller and threelined leafroller on pome fruits and stone fruits and efficacy data for cabbage looper, beet armyworm, and corn earworm on various field crops, efficacy of Dupont Altacor Insecticide for control of codling moth on tree nuts, obliquebanded leafroller and threelined leafroller on tree nuts and persimmons, and cabbage looper, beet armyworm, and corn earworm on strawberries is expected to be acceptable.

Conclusion

Following the review of all available data, MRLs for crops and livestock commodities are recommended to cover residues of chlorantraniliprole. Residues of chlorantraniliprole in these crop/livestock 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
1693482	2008, Magnitude and decline of chlorantraniliprole residues in strawberry - Japan, 2006 English translation and compilation of Japanese original documents, DACO: 7.4.1
1701295	2007, Magnitude of DPX-E2Y45 residues in tree nuts (almond and pecan) following foliar applications of DPX-E2Y45 35WG US, 2006, DACO: 7.4.1
1701297	2008, Chlorantraniliprole registration plan (residues) - Collaboration between DuPont Crop Protection and the IR-4 project, DACO: 7.4.1
1701298	2008, Request for shortened PHIs for pome fruit and stone fruit on the Chlorantraniliprole 35WG label, DACO: 7.8
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 Chlorantraniliprole 35WG label, DACO: 7.8
1701291	Waiver of the Requirement for Additional Value Data to Support the Registration of DUPONT™ ALTACOR™ insecticide on Tree nuts, Strawberries, and Persimmons. Unpublished. DACO 10.1, 10.2.3.1, 10.2.3.3, 10.3.1

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