



Evaluation Report for Category B, Subcategory 3.11 and 3.12 Application

Application Number: 2011-4266
Application: B.3.11 (Product Labels – New Pests)
B.3.12 (Product Labels – New Site or Host)
Product: DuPont Altacor Insecticide
Registration Number: 28981
Active ingredients (a.i.): Chlorantraniliprole (JIY)
PMRA Document Number : 2272758

Purpose of Application

The purpose of this application was to expand the DuPont Altacor Insecticide label to include crop group 13-07, specifically, crop subgroup 13-07D (small fruit vine climbing), subgroup 13-07C (large shrub/tree berry), and subgroup 13-07G (low growing berry).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No quantitative risk assessment was required. The exposures for mixers, loaders, applicators, and post-application re-entry workers, are considered acceptable given the uses currently registered for this product, and no occupational endpoints have been identified. The addition of berry crop groups of large shrub/tree berries (crop group 13-07C), small fruit climbing vines group (crop group 13-07D), and low-growing berries (crop group 13-07G) to DuPont Altacor Insecticide fit within the registered use pattern for the active chlorantraniliprole.

Residue data from field trials conducted in/on strawberry were assessed in the framework of this petition to support the use expansion of chlorantraniliprole to the low growing berry subgroup 13-07G. Residue data for chlorantraniliprole in the representative crops elderberry or mulberry (CSG 13-07C) and fuzzy kiwifruit (CSG 13-07D) were not submitted to support the use expansion of chlorantraniliprole to the entire berries and small climbing fruits CG 13-07 on the DuPont Altacor Insecticide label.

Maximum Residue Limit

Based on the maximum residues observed in strawberries treated according to label directions, a maximum residue limit (MRL) of 1.0 ppm in/on low growing berries (CSG 13-07G; except lowbush blueberries) will be established as shown in Table 1. Residues in processed

commodities not listed in Table 1 are covered under the established MRL for the raw agricultural commodity (RAC).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit (MRL)							
Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (day)	Residues (ppm)		Experimenta l Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Strawberry	Foliar broadcast/ 217-235	1	0.18	0.69	None	None	1.0

Following the review of all available data, a MRL of 1.0 ppm for low growing berries (CSG 13-07G; except lowbush blueberries) is recommended to cover residues of chlorantraniliprole. Residues of chlorantraniliprole in low growing berries except lowbush blueberries at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not required for the proposed use expansion to include use on large shrub/tree berries, low growing berries and small fruit climbing vines. The application rates and method for this use expansion will not increase the environmental risk of the subject product from the existing uses when the subject product is applied according to the product label and the prescribed mitigation measures.

Value Assessment

Based on the submitted value information and precedents, the following uses and claims were supported:

- i) Control of grape berry moth (145-285 g product/ha), control of climbing cutworm (215-285 g product/ha) and suppression of Japanese beetle (215-285 g product/ha) on Small Fruit Vine Climbing - Crop Subgroup 13-07D.
- ii) Control of obliquebanded leafroller, three-lined leafroller, climbing cutworm, and suppression of Japanese beetle on Large Shrub/Tree Berry – Crop Subgroup 13-07C at an application rate of 215–285 g product/ha.
- iii) Control of obliquebanded leafroller, three-lined leafroller, climbing cutworm, and suppression of Japanese beetle on Low Growing Berry – Crop Subgroup 13-07G at an

application rate of 215–285 g product/ha.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the addition of the crop subgroup 13-07G (low growing berry) to the product label but is unable to support the addition of the crop subgroups 13-07D (small fruit vine climbing) and 13-07C (large shrub/tree berry).

References

PMRA No.	Title
2162912	2012, Magnitude of Chlorantraniliprole Residues in Strawberries Following Foliar Applications with Chlorantraniliprole (DPX-E2Y45) 20SC [200 g/l (w/v); 18.4% (w/w)] U.S. and Canada, 2011, DACO: 7.4.1

ISSN: 1911-8082

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