

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2014-5965
Application: Changes to Product Label: New Site / Host
Product: DuPont Coragen Insecticide
Registration Number: 28982
Active ingredients (a.i.): Chlorantraniliprole
PMRA Document Number : 2606325

Purpose of Application

The purpose of this application was to add claims of cutworm, armyworm, and cabbage looper control on hops to the DuPont Coragen Insecticide label (registration number 28982, guarantee: chlorantraniliprole 200g/L).

Chemistry and Environmental Assessments

Chemistry and Environmental Assessments were not required for this application.

Health Assessments

A human health risk evaluation for DuPont Coragen Insecticide for use on hops was conducted. Toxicological endpoints for short- and intermediate-term exposure durations via the dermal and inhalation routes were not established for chlorantraniliprole. As such, risk to workers is not of concern when the product is used according to label directions.

Residue data from field trials conducted in the United States were submitted to support the domestic use of DuPont Coragen Insecticide on hops (dried). Chlorantraniliprole was applied to hops (dried) at rates equivalent to the approved rates, and harvested according to label directions.

Maximum Residue Limit

The recommendation for maximum residue limit (MRL) for chlorantraniliprole was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of chlorantraniliprole 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 Support Maximum Residue Limit (MRL)							
Commodity	Application Method/ Total Application Rate (g ai/ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit (MRL)							
Commodity	Application Method/	PHI	Residues (ppm)		Experimental	Currently	Recommended
Hops (dried)	Foliar / 225-231	0	7.0	17.5	None	None	40

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of chlorantraniliprole. Residues in hops (dried) at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors

Value Assessment

Extrapolation from registered uses of DuPont Coragen Insecticide and submitted rationales support the use of the product to control cabbage looper, cutworms and armyworms on hops. The supported use pattern was 250 ml product/ha against cabbage looper and 250-375 mL product/ha against cutworms and armyworms, with a maximum of 4 applications per season to a maximum of 1.125 L product/ha/season and with a minimum of 7 days between applications. This is the only pest control product registered currently in Canada for use against cabbage looper, cutworms, and armyworms on hops.

Conclusion

Following review of the application, the label of DuPont Coragen Insecticide was amended to include control of cutworm, armyworm, and cabbage looper on hops.

References

2484224	2014, General data bridging rational, DACO: 10.1
2522206	2015, Clarification response; information on use history, DACO part 10
2484223	2012, Chlorantraniliprole: magnitude of the residue on hops, DACO: 7.4,7.4.1
2484222	2014, Waiver for acceptance of a reduced residue dataset to include a Canadian label registration for hops instead of applying for an Import tolerance for Coragen Insecticide (PCP# 28982) label, DACO: 10.1,7.

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