

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2015-0450
Application: New maximum residue limit for previously assessed technical grade active ingredient
Product: Technical Flonicamid Insecticide
Registration Number: 29795
Active ingredients (a.i.): Flonicamid
PMRA Document Number : 2608938

Purpose of Application

The purpose of this application was to establish an MRL for the currently registered active ingredient flonicamid on tree nuts, which are imported to Canada from the US.

Chemistry, Environmental and Value Assessments

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

Health Assessments

A toxicology assessment was not required for this application.

Residue data for flonicamid on almonds and pecans were submitted to support the maximum residue limit on imported tree nuts (Crop Group 14-11). Flonicamid was applied to almonds and pecans at the registered US application rates, and harvested according to label directions.

The recommendation for a maximum residue limit (MRL) for flonicamid on tree nuts (Crop Group 14-11) was based upon the submitted field trial data on almonds and pecans, and the guidance provided in the [OECD MRL Calculator](#). An MRL to cover the combined residues of flonicamid and metabolites TFNA-AM, TFNA and TFNG in/on tree nuts is proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRL 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 (ppm)	Recommended MRL (ppm)
			LAF T	HAF T			
Almond Nutmeat	Foliar broadcast spray /300-307	39-42	0.040	0.073	None	None	0.15 (CG14-11)

TABLE 1. Summary of Field Trial and Processing Data Used to Support the Maximum Residue Limit (MRL)

Commodity	Application Method/	PHI	Residues (ppm)		Experimental	Currently	Recommended
Pecan Nutmeat	Foliar broadcast spray /301-306	39-40	0.040	0.043	None		

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

Conclusions

Following the review of all available data, an MRL as proposed in Table 1 is recommended to cover residues of flonicamid in/on tree nuts (CG14-11). Residues in these crop commodities at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA Document Number	Reference
2500246	2012, Magnitude of Residues of Flonicamid on Almonds and Pecans - USA in 2011, DACO 7.4.1

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