



Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2018-1755
Application: New Maximum Residue Limits for Previously Assessed Technical Grade Active Ingredient
Product: Technical Flonicamid Insecticide
Registration Number: 29795
Active ingredient (a.i.): Flonicamid
PMRA Document Number: 2988987

Purpose of Application

The purpose of this application was to establish a maximum residue limit (MRL) for flonicamid in/on imported tea (dried leaves).

Health Assessment

Toxicology and occupational exposure assessments were not required for this application. Residue data for field trials conducted with flonicamid on tea grown in Japan were submitted to support the maximum residue limit on imported tea.

Maximum Residue Limit

The recommendation for the maximum residue limit (MRL) for flonicamid was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). An MRL to cover residues of flonicamid, including the metabolites 4-trifluoromethylnicotinic acid, *N*-(4-trifluoromethylnicotinoyl)glycine and 4-trifluoromethylnicotinamide in tea (dried leaves) 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 commodity (RAC).

Table 1 Summary of Field Trial and Processing Data Used to Support 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 (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Tea (dried leaves)	Foliar Spray / 200	7	17.6	23.2	-	-	40

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

Following the review of all available data, the MRL proposed in Table 1 is recommended to cover residues of flonicamid and its metabolites. Residues in this imported crop commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Chemistry, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to establish an MRL for flonicamid in/on imported tea (dried leaves).

References

PMRA Document Number	Reference
2878032	2002, Crop Residue Study On Tea With IKI-220 10DF, DACO: 7.4.1
2878033	2001, Crop Residue Study On Tea With IKI-220 10DF, DACO: 7.4.1

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