

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2018-1692
Application: New Maximum Residue Limits for previously assessed Technical Grade Active Ingredient
Product: Technical Cyclaniliprole Insecticide
Registration Number: 32861
Active ingredient (a.i.): Cyclaniliprole
PMRA Document Number: 3060726

Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) for cyclaniliprole on imported commodities of citrus fruit subgroups 10R-A (oranges), 10R-B (lemons/limes) and 10R-C (grapefruits).

Health Assessments

Residue data for cyclaniliprole in grapefruit, lemon and orange were submitted to support the MRLs on imported citrus fruits. In addition, a processing study in treated oranges was reviewed to determine the potential for concentration of residues of cyclaniliprole into processed commodities.

Maximum Residue Limits

The recommendation for MRLs for cyclaniliprole was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of cyclaniliprole 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 Limits (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			
Grapefruit	Foliar directed/ 246	1	0.019	0.078	N/A	None	CSG 10R-A: 0.4 CSG 10R-B: 0.3 CSG 10R-C: 0.2 Citrus oil: 30
Lemon	Foliar directed/ 246	1	0.015	0.139	N/A		
Orange	Foliar directed/ 246	1	0.028	0.290	Oil: 116 Juice: 0.1		

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

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of cyclaniliprole. Residues in these crop commodities at the proposed MRLs 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 the assessment of the available information and found it acceptable to recommend MRLs as proposed in Table 1 to cover residues of cyclaniliprole in imported citrus fruit commodities.

References

PMRA #	References
2876440	2017, Magnitude of Residues of IKI-3106 on Citrus USA in 2015, DACO: 7.4.1,7.4.2,7.4.6,IIIA 8.3.1

ISSN: 1911-8082

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