

Evaluation Report for Category B.5.0 Application

Application Number: 2012-2501
Application: New Maximum Residue Level (MRL) for a Previously Assessed Technical Grade Active Ingredient
Product: Methoxyfenozide Technical Insecticide
Registration Number: 27785
Active ingredients (a.i.): Methoxyfenozide [MXF]
PMRA Document Number: 2311486

Purpose of Application

The purpose of this submission was to establish import MRLs for methoxyfenozide in/on artichoke, strawberry, papaya, and mint.

Chemistry Assessment

No chemistry assessment was required for this application.

Health Assessments

Residue data from field trials conducted in the United States were submitted to support the establishment of MRLs for residues of methoxyfenozide in/on artichoke, strawberry, papaya, and mint imported into Canada from the US. Methoxyfenozide was applied to these crops at US registered rates, and harvested according to their label directions. In addition, a processing study in treated mint was reviewed to determine the potential for concentration of residues of methoxyfenozide into processed commodities.

Maximum Residue Limit(s)

The recommendation for maximum residue limits (MRLs) for methoxyfenozide was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of methoxyfenozide 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(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)
			Min	Max			
Artichoke	Foliar / 1154- 1201	4	0.74	1.65	-	-	4
Strawberry (CSG 13- 07G)	Foliar / 1088- 1402	2-4	0.12	1.15	-	-	2
Papaya	Foliar / 1108- 1169	3-4	0.08	0.33	-	-	1.0
Peppermint and Spearmint tops	Foliar / 1110- 1127	12-14	1.02	6.36	0.02X (oil)	-	10

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of methoxyfenozide. 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.

Environmental and Value Assessment

No environmental or value assessments were required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of information available in support of Methoxyfenozide Technical Insecticide and has found the information sufficient to establish import MRLs for methoxyfenozide in/on artichoke, strawberry, papaya, and mint.

References

PMRA Document Number	Reference
2207153	2003, METHOXYFENOZIDE: MAGNITUDE OF THE RESIDUE ON STRAWBERRY, DACO: 7.3,7.4.1
2207155	2001, METHOXYFENOZIDE: MAGNITUDE OF THE RESIDUE ON GLOBE ARTICHOKE, DACO: 7.3,7.4.1
2243490	2003, METHOXYFENOZIDE: MAGNITUDE OF THE RESIDUE ON PAPAYA, DACO: 7.4.1
2207158	2003, METHOXYFENOZIDE: MAGNITUDE OF THE RESIDUE ON MINT, DACO: 7.3,7.4.1

ISSN: 1911-8082

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