

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2016-3283
Application: New Maximum Residue Limits for previously assessed Technical Grade Active Ingredients.
Product: Pyrimethanil Technical Fungicide
Registration Number: 28010
Active ingredient (a.i.): Pyrimethanil
PMRA Document Number : 2779011

Purpose of Application

The purpose of this application was to establish a maximum residue limit (MRL) for pyrimethanil in/on pomegranates and to amend the MRLs for certain crops/crop groups.

Chemistry, Environmental and Value Assessments

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

Health Assessments

Residue data for pyrimethanil in pomegranate were submitted to support the maximum residue limit on imported pomegranate. In addition, previously reviewed residue data from field trials conducted in/on pome fruits, blueberries, tomatoes, and bulb onions were reassessed in the framework of this petition. Processing studies in treated apples and tomatoes were also reassessed to determine the potential for concentration of residues of pyrimethanil into processed commodities.

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for pyrimethanil was based upon the submitted and reassessed field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of pyrimethanil 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	PHI (days)	Pyrimethanil Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAF T			

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

Commodity	Application Method/	PHI (days)	Pyrimethanil Residues (ppm)		Experimental Processing	Currently Established	Recommended MRL
Dry bulb onions	Foliar application / 2.4 kg a.i./ha	7	<0.05	0.096	Not applicable	0.1 (Bulb onions, CSG 3-07A)	0.2 (Bulb onions, CSG 3-07A)
Tomatoes	Foliar application / 1.50 kg a.i./ha	1	0.06	0.37	Tomato paste (1.2x) Tomato puree (0.3x)	0.5 (Tomato)	0.5 (Tomato CSG 8-10A)
Blueberries	Foliar application / 1.60 kg a.i./ha	0	1.08	5.13	Not applicable	8 (Bushberry CSG 13-07B, except gooseberries and lowbush blueberries) 5 (Gooseberry) 3 (Lowbush blueberry)	8 (Gooseberries and lowbush blueberries)
Pomegranate	Post-harvest dip / 1000 ppm for 1 minute	Not applicable	1.51	1.66	Not applicable	None	5
Apple	Postharvest Thermofogging / 8.1-10.8 g a.i./ton fruit	Not applicable	0.43	5.83	Apple juice (0.4x)	14 (Pome Fruit CG 11)	15 (Pome Fruit CG 11-09)
Pear			3.51	3.51			

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 pyrimethanil. 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.

Toxicology and occupational exposure assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information for Pyrimethanil Technical Fungicide and has found the information sufficient to support the establishment of MRLs on/in imported pomegranates and to amend the MRLs for certain crops/crop groups.

References

PMRA Document Number 2655171	References 2012, Magnitude of Residues of Pyrimethanil in Post-Harvest Treated Pomegranates, DACO: 7.4.1
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ISSN: 1911-8082

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