

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2012-3293
Application: New MRL for previously assessed technical grade active ingredient
Product: Zoxamide Technical Fungicide
Registration Number: 26841
Active ingredients (a.i.): Zoxamide
PMRA Document Number: 2257368

Purpose of Application

The purpose of this submission was to specify MRLs to cover residues of zoxamide in/on imported tomatoes and cucurbits of Crop Group 9.

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 assessment.

New residue data for zoxamide were submitted including field trial data from the exporting country (United States) to support specifying maximum residue limits (MRLs) on imported tomatoes and cucurbit vegetables of Crop Group 9. In addition, a processing study in treated tomatoes was reviewed to determine the potential for concentration of residues of zoxamide into processed commodities.

The recommendation for MRLs for zoxamide was based upon the submitted field trial data, conducted using foliar ground applications at exaggerated rates equivalent to 1.3-1.6x the maximum registered rate for tomatoes in the exporting country, with samples harvested at the shortest labeled PHI of 5 days, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of zoxamide in/on tomatoes and cucurbit vegetables of Crop Group 9 are proposed as shown in Table 1. Residues in processed tomato 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 Limits (MRLs)

Commodity	Application Method/ Total Application Rate (kg a.i./ha)	Preharvest Interval (days)	Zoxamide Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			
Tomato (Standard size varieties)	Foliar broadcast/ 2.25-2.95	5	0.05 4	0.44 1	Puree: 0.3X Paste: 0.7X	None	2.0 for "Tomatoes"
Cherry Tomatoes	Foliar broadcast/2.25	5	0.16 7	1.18	--		
Cantaloupe	Foliar broadcast/ 1.79-1.81	0	0.03 35	0.73 1	Not applicable	None	2.0 for all crops in Crop Group 9, Cucurbit Vegetables
Zucchini	Foliar broadcast/ 1.76-1.80		0.02 36	0.39 3		None	
Cucumber	Foliar broadcast/ 1.79-1.83		<0.0 10	0.12 9		None	

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.

Conclusion

The PMRA has completed a review of all available information and found the information sufficient to support MRLs to cover residues of zoxamide in/on imported tomatoes and cucurbits of Crop Group 9 as specified in Table 1.

References

PMRA Documents

PMRA Document	Number Reference
2218756	1999, RH-117281 Fungicide Field Residue Trials in the Cucurbit Vegetable Group, DACO: 7.4.1, 7.4.2
2218757	1999, RH-117281 Fungicide Field Residue Trials in Tomatoes and Tomato Processed Fractions, DACO: 7.4.1, 7.4.5
2281461	1999, RH-117,281: Nature of Residue In Cucurbits (Cucumber), DACO: 6.3
2281462	1999, RH-117,281: Nature of Residue In Fruiting Tomato Plants, DACO: 6.3
2218747	1999, Preliminary Residue Analytical Method for Parent RH-117, 281 in Tomato juice, DACO: 7.2.1, 7.2.2, and 7.2.3
2218748	1999, Preliminary Residue Analytical Method for Parent RH-117,281 in Tomato, DACO: 7.2.1, 7.2.2, and 7.2.3
2218753	2000, Validation of the residue Analytical Method for Parent RH-117281 in/on Tomato, DACO: 7.2.1, 7.2.2, and 7.2.3
2218751	1999, Preliminary Residue Analytical Method for Parent-7281 in Tomato Puree and Paste, DACO: 7.2.1, 7.2.2, and 7.2.3
2218750	1999, Preliminary Residue Analytical Method for Parent RH-7281 in Cucurbits, DACO: 7.2.1, 7.2.2, and 7.2.3
2281465	2001, Storage Stability of RH-117,281 Residues in Cucurbit Samples under Conditions of Frozen Storage (Supplement to Interim Report MRID #45012118), DACO 7.3
2218754	1999, Storage Stability of RH-117.281 Residues in Cucurbits Samples under Conditions of Frozen Storage, DACO 7.3
2218757	1999, RH-117281 Fungicide Field Residue Trials in Tomatoes and Tomato Processed Fractions, DACO 7.4.5

ISSN: 1911-8082

8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2014

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.