

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2016-0847
Application: New Maximum Residue Limit for Previously Assessed Technical Grade Active Ingredient
Product: Dodine Technical Fungicide
Registration Number: 21919
Active ingredients (a.i.): Dodine
PMRA Document Number: 2727995

Purpose of Application

The purpose of this application was to establish a maximum residue limit for residues of dodine in/on bananas imported into Canada.

Chemistry, Environmental and Value Assessments

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

Health Assessments

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

Residue data for dodine in bananas were submitted to support the maximum residue limit on imported bananas.

Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for dodine was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of *N*-dodecylguanidine acetate (dodine as acetate salt) in/on bananas is proposed as shown in Table 1.

Table 1 Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit (MRL)

Commodity	Application Method/ Total Application Rate (kg a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Whole bananas (unbagged)	Foliar application ground / 3.9-4.1	0	0.125	0.322	Not applicable	None	0.5

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

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of dodine. Residues in bananas at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of available information for Dodine Technical Fungicide and has found the information sufficient to support the establishment of MRLs in/on imported bananas of 0.5 ppm.

References

PMRA Document Number	References
2607749	2005, Validation of the Residue Analytical Method for Dodine in Whole Bananas, DACO: 7.2.1,7.2.3A
2607751	2006, Independent Laboratory of the Residue Analytical Method: "Analytical Method for the Determination of Dodine in Peanut Nutmeat, Peanut Meal, Refined Peanut Oil and Bananas by LC/MS/MS" Method No. METH1595-00.01, DACO: 7.2.1,7.2.2,7.2.3A
2607752	2006, Storage Stability for Dodine in Whole Bananas, DACO: 7.3
2644356	2007, Refrigerated Storage Stability for Dodine in Whole Bananas, DACO: 7.3
2607753	2007, Magnitude of the Residue of Dodine in Banana Fruit Following Applications of Syllit 400 SC, DACO: 7.2.1,7.3,7.4.1,7.4.2

ISSN: 1911-8082

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