Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2015-6655
Application: New maximum residue limit for previously assessed technical grade active ingredient
Product: Fluoxastrobin Technical Fungicide
Registration Number: 30407
Active ingredients (a.i.): Fluoxastrobin
PMRA Document Number : 2704654

Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) for fluoxastrobin on various imported commodities.

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 fluoxastrobin in various crops were submitted to support the maximum residue limits on various imported crops. In addition, processing studies in treated peanuts were reviewed to determine the potential for concentration of residues of fluoxastrobin into processed commodities.

The recommendation for maximum residue limits (MRLs) for fluoxastrobin was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. MRLs to cover residues of fluoxastrobin (sum of E and Z isomers) 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).

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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			
Peanut nutmeats	Foliar/ 805-832	13-15	<0.01	<0.01	--	None	0.02
Peanut nutmeats	Foliar/ 4030	14	0.0115	0.0115	--	None	0.06 for Peanut oil (refined)
Peanut oil (refined)			0.0922	0.0922	8.0X		
Peanut nutmeats	Foliar/ 807	21	0.02	0.02	--		
Peanut oil (refined)			0.01	0.01	0.5X		
Cantaloupe	Foliar/ 760-818	1-3	0.09	0.83	--	None	1.5 in/on Crop Subgroup 9A (Melon Subgroup)
Cucumber	Foliar/ 762-818	1	0.05	0.17	--	None	0.5 in/on Crop Subgroup 9B (Squash Cucumber Group)
Summer Squash	Foliar/ 762-818	1-3	0.04	0.16	--	None	

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 fluoxastrobin. Residues in these 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 Pest Management Regulatory Agency has completed an assessment of the information provided in support of the MRLs requested, and has found the information sufficient to establish MRLs for fluoxastrobin on various imported commodities.

References

PMRA Document Number	References
2587594	2002, HEC 5725 480 SC - Magnitude of the Residue in/on Peanuts, DACO: 7.2.1, 7.3, 7.4.1, 7.4.2
2587593	2009, Residue of Fluoxastrobin in/on Cucurbit Vegetables, DACO: 7.2.1, 7.4.1
2615793	2011, Magnitude of the Residue of Fluoxastrobin in or on Cantaloupe/Muskmelon Raw Agricultural Commodities Following Four Foliar Applications of Evito 480 SC Fungicide, DACO: 7.4.1
2615794	2008, Crop Field Trials - Residue in/on Peanuts and Peanut Processed Fractions Following Treatment with Evito 480 SC Fungicide, DACO: 7.4.5
2615795	2003, HEC 5725 480 SC Magnitude of the Residue in Peanut Processed Commodities, DACO: 7.4.5

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