

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2013-7107
Application: New maximum residue limit (MRL) for a previously assessed technical grade active ingredient
Product: Azoxystrobin Technical
Registration Number: 26152
Active ingredients (a.i.): Azoxystrobin
PMRA Document Number: 2471902

Purpose of Application

The purpose of this application was to establish import Maximum Residue Limits (MRLs) for azoxystrobin in/on tea (Japan), green coffee beans (Colombia), and Asian pears (South Korea). In addition, previously reviewed data has been reassessed in order to align the Canadian MRLs for azoxystrobin with those of the USA in/on leaves of root and tuber vegetables (Crop Group 2), edible-podded legume vegetables (Crop Subgroup 6A), and succulent shelled pea and bean (Crop Subgroup 6B).

Health Assessments

Residue data for azoxystrobin and the Z-isomer in crops were submitted to support the maximum residue limit(s) on imported tea (dried leaves), green coffee beans, and Asian pears. A processing study in treated green coffee beans was reviewed to determine the potential for concentration of residues of azoxystrobin and the Z-isomer (R230310) into processed commodities. In addition, previously reviewed residue data from field trials conducted in/on Crop Group 2, Crop Subgroup 6A, and Crop Subgroup 6B were reassessed in the framework of this application.

The recommendation for maximum residue limits (MRLs) for azoxystrobin was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of azoxystrobin and the Z-isomer (R230310) 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)	Residues ¹ (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			
Green coffee beans	Foliar/441.7-459.3 g ai/ha/season	14-15	<0.02	<0.026	1.3 (Instant coffee)	None	0.03
Tea (dried leaves)	Foliar/660 g ai/ha/season	14	0.59	4.75	na	None	20
Asian pears	Foliar /2218-2333 g ai/ha/season	7	<0.02	<0.05	na	None	0.07
Crop Group 2	Foliar/1647.7 g ai/ha/season	0	6.6	23	na	35	50
Crop Subgroup 6A	Foliar/1817-1863 g ai/ha/season	0	0.61	1.5	na	1.6 (CSG6A; edible-podded peas)	3.0
			0.10	1.6	na	0.02 (CSG6A; edible-podded beans)	
Crop Subgroup 6B	Foliar/1816-1861 g ai/ha/season	0	0.04	0.18	na	0.02 (CSG6B; succulent peas)	0.5
			0.02	0.09	na	0.2 (CSG6B; succulent beans)	

¹Total residues of azoxystrobin and the Z-isomer (R230310)
na = not applicable

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of azoxystrobin and the Z-isomer (R230310). 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.

Chemistry, Environmental and Value Assessments

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

Conclusion

The PMRA has completed a review of all information provided in support of azoxystrobin and has proposed MRLs as listed in Table 1.

References

PMRA Document Number	Reference
1094551	2000, Azoxystrobin: Residue Levels on Succulent Shelled Peas from Trials Conducted in the United States During 1999, DACO: 7.4.1
1094556	2000, Azoxystrobin: Residue Levels on Succulent Shelled Beans from Trials Conducted in the United States in 1999, DACO: 7.4.1
1094560	2000, Azoxystrobin: Residue Levels on Edible Podded Peas from Trials Conducted in the United States During 1999, DACO: 7.4.1
1094561	2000, Azoxystrobin: Residue Levels on Edible Podded Beans from Trials Conducted in the United States in 1999, DACO: 7.4.1
1362783	2002, Azoxystrobin: Magnitude of the Residue in or on Garden Beet, DACO: 7.4.1,7.4.2
2376716	2013, Azoxystrobin - Residue study on Pears in South Korea in 2012, DACO: 7.4.1
2376722	2012, Azoxystrobin and Cyproconazole (A12910C) - Magnitude of the Residues in or on Coffee, DACO: 7.4.1,7.4.2,7.4.5
2376713	2013, Azoxystrobin SC (A13364A) - Compilation of Residue Data in or on Tea, DACO: 7.4.1

ISSN: 1911-8082

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