

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2010-3970
Application: B.5.0 - New MRL for Previously Assessed TGAI
Product: Iodosulfuron-Methyl-Sodium Technical Herbicide
Registration Number: 27421
Active ingredients (a.i.): Iodosulfuron-Methyl-Sodium
PMRA Document Number English PDF: 2138026

Purpose of Application

The purpose of this application was to establish a Maximum Residue Limits (MRL) to cover residues of iodosulfuron-methyl-sodium in/on imported wheat, and to revise the current Canadian MRL for iodosulfuron-methyl-sodium in/on field corn (0.025 ppm) to (0.03 ppm).

Health Assessments

Residue data for iodosulfuron-methyl-sodium on wheat were submitted to support the establishment of MRLs for this active ingredient in/on imported wheat. In addition, a processing study on treated wheat was assessed to determine the potential for concentration of residues of iodosulfuron-methyl-sodium into processed commodities.

Maximum Residue Limits

Based on the maximum residues observed in crops treated according to label directions of the exporting country, MRLs to cover residues of iodosulfuron-methyl-sodium in/on wheat and field corn will be established as shown in Table 1. Residues of iodosulfuron-methyl-sodium in processed commodities not listed in Table 1 are covered under the MRLs for the raw agricultural commodities (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limits (MRLs) for Iodosulfuron-methyl-sodium.

Commodity	Application Method/ Total Application Rate	PHI (days)	Iodosulfuron-methyl-sodium Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			
Wheat	Ground spray/ 10 g a.i./ha	50-134	<0.02	<0.02	Not required	None	0.02
Field corn	Ground spray/ 7.2-9.3 g a.i./ha	58-102	<0.02 5	<0.02 5	Not required	0.025*	0.03

* The current MRL of 0.025 ppm will be revised to 0.03 ppm.

Chemistry, Environmental and Value Assessment

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

Conclusion

Following the review of the data provided, MRLs are recommended to cover residues of iodosulfuron-methyl-sodium in/on wheat and field corn (see Table 1). Residues of iodosulfuron-methyl-sodium in these commodities at the established MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA

Document

Number

Reference

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| 1949874 | 2001, At Harvest AE F130060 and AE F115008 Derived Residues in Wheat (Grain, Straw, Hay and Forage) Following a Single Application of AE F130060 WDG or AE F115008 WDG at the Maximum Proposed Application Rates and Shortest PHI, USA, 1998, DACO: 7.2.1,7.2. |

- 1949875 2001, At Harvest AE F130060 and AE F115008 Derived Residues in Wheat (Grain, Straw, Hay and Forage) Following a Single Application of AE F130060 WDG and AE F115008 WDG at the Maximum Proposed Application Rates and Shortest PHI, USA, 1997, DACO: 7.2.1,7.2.
- 1949876 2001, AE F115008 and AE F107892 Derived Residues in Wheat Grain and Processed Wheat Commodities Following Applications AE F115008 WDG and AE F107892 EC at Exaggerated Rates and the Shortest Proposed PHI, USA, 1999, DACO: 7.2.1,7.4.5,7.4.6

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