

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2021-1398
Application: New Maximum Residue Limits for previously assessed Technical Grade Active Ingredient
Product: Isoclast Active
Registration Number: 30824
Active ingredient (a.i.): Sulfoxaflor
PMRA Document Number : 3343271

Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) for sulfoxaflor on imported coffee.

Chemistry, Environmental and Value Assessments

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

Health Assessment

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

Residue data for sulfoxaflor in dried coffee beans were submitted to support the maximum residue limit on imported coffee. In addition, a processing study in treated coffee was reviewed to determine the potential for concentration of residues of sulfoxaflor into processed commodities.

Maximum Residue Limits

The recommendation for the MRLs for sulfoxaflor was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of sulfoxaflor 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 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 (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)

Commodity	Application	PHI	Residues (ppm)		Experimental	Currently	Recommended
Dried coffee beans	Foliar; 73.2-76.2	3	<0.01	0.15	Roasted coffee beans: 0.47X Instant coffee: 2.41X	None	0.3 (dried coffee beans) 0.4 (instant coffee)

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of sulfoxaflor. Residues in this crop 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 the information provided. MRLs as proposed in Table 1 are recommended to cover residues of sulfoxaflor in dried coffee beans and instant coffee.

References

PMRA Document Number	Reference
3216623	2020, Determination of Residues of Sulfoxaflor after One Application of GF-2372 in Coffee at 10 Sites in Vietnam 2019 4850-4526-2028 v.2, DACO: 7.1,7.2.1,7.2.2,7.3,7.4.1

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