

Evaluation Report for Category A, Subcategory A.1.3 Application

Application Number: 2009-2162
Application: New Active Ingredient-Maximum Residue Limits (MRL)s only
Product: Indaziflam Technical Herbicide
Registration Number: 30219
Active ingredients (a.i.): Indaziflam
PMRA Document Number English PDF: 2165256

Purpose of Application

The purpose of the application was to establish MRLs for the new ingredient indaziflam on imported citrus fruits (all commodities of Crop Group 10), olives, pistachios and sugarcane. Related applications for the registration of indaziflam technical and end-use products for use in Canada were also submitted for review at the Pest Management Regulatory Agency. The results of the science evaluation of the related registrations can be found under *PRDD2011-20: Indaziflam*.

Chemistry Assessment

For the chemistry assessment, please refer to *PRDD2011-20: Indaziflam*.

Health Assessments

Residue data for indaziflam and the metabolite 1-fluoroethyl diaminotriazine on almonds, pecans, oranges, grapefruits, lemons and olives were submitted to support the establishment of maximum residue limits (MRLs) for indaziflam in/on imported pistachios, citrus fruits (Crop Group 10) and olives. In addition, processing studies on treated oranges and olives were assessed to determine the potential for concentration of residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine into processed commodities.

Maximum Residue Limits

Recommendations for MRLs for indaziflam in/on citrus fruits (Crop Group 10) and olives were based on guidance provided in OECD MRL Calculator: User Guide (01-Mar-2011). Based on MRL statistical methodology and residue data from field trials conducted according to label directions, maximum residue limits (MRLs) to cover residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine in/on citrus fruits (Crop Group 10) and olives will be established as shown in Table 1. Residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine 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)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Oranges	Soil application to base of tree/ 145-159	12-28	<0.01	<0.01	No concentration observed in juice and oil	None	0.01 ppm (Citrus Fruit of Crop Group 10)
Grapefruits	Soil application to base of tree/ 144-156	13-28	<0.01	<0.01	Not required	None	
Lemons	Soil application to base of tree/ 149-153	14	<0.01	<0.01	Not required	None	
Olives	Soil application to base of tree/ 149-151	14	<0.01	<0.01	No concentration observed in oil	None	0.01 (olives)

Residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine in/on pistachios will be covered under the MRL of 0.01 ppm recommended for promulgation with related submissions 2009-2161/-2050/-2047) for Tree Nuts (Crop Group 14-11).

Environmental and Value Assessment

An environmental assessment was not required for this application.

Conclusion

Following the review of all available data, MRLs are recommended to cover residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine in/on pistachios, citrus fruits (Crop Group 10) and olives. Residues of indaziflam and the metabolite 1-fluoroethyl diaminotriazine 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
1772823	2009, AE 1170437 500 SC - Magnitude of the Residue in/on Citrus (CG 10), DACO: 7.4.1
1772821	2009, AE 1170437 500 SC - Magnitude of the Residue in/on Olives, DACO: 7.4.1
1772843	2009, AE 1170437 500 SC - Magnitude of the Residue in/on Orange Processed Commodities, DACO: 7.4.5
1772844	2009, AE 1170437 500 SC - Magnitude of the Residue in/on Olive Processed Commodities, DACO: 7.4.5

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