

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2015-2524
Application: New MRL for previously assessed TGAI
Product: Spirotetramat Technical Insecticide
Registration Number: 28952
Active ingredients (a.i.): Spirotetramat
PMRA Document Number : 2648436

Purpose of Application

The purpose of this application to establish a maximum residue limit (MRL) on asparagus imported from Peru for the active ingredient spirotetramat.

Chemistry, Environmental and Value Assessments

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

Health Assessment

Residue data for spirotetramat were submitted to support the maximum residue limit on imported asparagus. Spirotetramat was applied to asparagus plants at an exaggerated rate (1.5-fold) compared to the registered Peru application rate, and asparagus spears were harvested according to label directions.

Maximum Residue Limit

The recommendation for an MRL for spirotetramat was based upon the submitted field trial data on asparagus spears, and the guidance provided in the [OECD MRL Calculator](#). An MRL to cover the combined residues of spirotetramat and metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside in/on asparagus is proposed as shown in Table 1.

TABLE 1. Summary of Field Trial and Processing Data Used to Support the Maximum Residue Limit (MRL)							
Commodity	Application Method/ Total Application Rate (g ai/ha)	PHI (days)	Residues (ppm)		Experiment al Processing Factor	Currently Establishe d MRL (ppm)	Recommende d MRL (ppm)
			LAF T	HAF T			

TABLE 1. Summary of Field Trial and Processing Data Used to Support the Maximum Residue Limit (MRL)							
Commodity	Application Method/	PHI (days)	Residues (ppm)		Experimental	Currently Established	Recommended MRL
Asparagus	Foliar broadcast spray /223-230	41-42, 47	0.05	0.05	None	None	0.1

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided. An MRL as proposed in Table 1 is recommended to cover residues of spirotetramat in/on asparagus. Residues in this crop commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA Document Number	Reference
2542500	2014, Movento 240 SC and Movento 150 OD - Magnitude of the residue in/on asparagus - US, Canada, and EU import tolerance - Movento 240 SC (240 g spirotetramat/liter) - Movento 150 OD (150 g spirotetramat/liter), DACO: 7.4.1,7.4.2
2542498	2009, An analytical method for the determination of residues of BYI08330, BYI08330-enol, BYI08330-ketohydroxy, BYI08330-mono-hydroxy, and BYI08330-enol-Glc metabolites in/on crop matrices using LC/MS/MS, DACO: 7.2.1

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