



Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2021-4076
Application: New Maximum Residue Limits for previous assessed Technical Grade Active Ingredient
Product: Sumilarv Technical Grade
Registration Number: 25105
Active ingredient (a.i.): Pyriproxyfen
PMRA Document Number :3383712

Purpose of Application

The purpose of this application was to establish a maximum residue limit (MRL) for residues of pyriproxyfen in/on imported bananas.

Health Assessments

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

Residue data from field trials conducted in Central America were submitted to support the maximum residue limit on imported bananas. Pyriproxyfen was applied to bananas at exaggerated rates, and harvested according to label directions.

Maximum Residue Limit

The recommendation for the maximum residue limit (MRL) for pyriproxyfen was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of pyriproxyfen in/on bananas is proposed as shown in Table 1.

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Proposed MRL (ppm)
			Min	Max			
Bananas	Foliar applications/ 414 – 424	0	0.012	0.100	Not applicable	None	0.2

ppm = parts per million

Following the review of all available data, the MRL proposed in Table 1 is

recommended to cover residues of pyriproxyfen. Dietary risks from exposure to residues of pyriproxyfen in bananas at the proposed MRL were shown to be acceptable for the general population and all subpopulations, including infants, children, adults and seniors. Thus, the foods that contain residues as listed in Table 1 are considered safe to eat.

Chemistry, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to establish an MRL for residues of pyriproxyfen in/on imported bananas.

References

PMRA Document Number	Reference
3261462	2017, Pyriproxyfen: Magnitude of the residue on banana, DACO: 7.2.1,7.3,7.4.1,7.4.2

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