

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2020-0171
Application: New Maximum Residue Limits (MRLs) for previously assessed Technical Grade Active Ingredient (TGAI)
Product: Mandipropamid Technical Fungicide
Registration Number: 29073
Active ingredient (a.i.): Mandipropamid
PMRA Document Number: 3199283

Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) for residues of mandipropamid in/on imported citrus fruits (crop group 10, revised) and citrus oil.

Health Assessments

Residue data for mandipropamid in oranges, grapefruits, and lemons were submitted to support the MRLs on imported citrus fruits (crop group 10, revised). In addition, a processing study in treated oranges was reviewed to determine the potential for concentration of residues of mandipropamid into processed commodities.

Maximum Residue Limits

The recommendation for MRLs for mandipropamid was based upon the submitted field trial data and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of mandipropamid 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 MRLs for the raw agricultural commodities (RACs). Table 2 summarizes the residue data used to calculate the proposed MRLs.

Table 1 Proposed Maximum Residue Limits for Mandipropamid

MRL (ppm) ¹	Food Commodity
15	Citrus Oil
0.5	Citrus fruits (crop group 10, revised)

¹ ppm = parts per million

Table 2 Summary of Field Trial and Processing Data Used to Support MRLs

Commodity	Application Method/ Total Application Rate (g a.i./ha)¹	Preharvest Interval (days)	Lowest Average Field Trial Residues (ppm)	Highest Average Field Trial Residues (ppm)	Experimental Processing Factor
Orange	Foliar Directed/ 289-296	0	0.049	0.191	Oil: 45x Dried Pulp: 2.9x Juice: 0.04x
Grapefruit	Foliar Directed/ 291-299	0	0.043	0.079	Oil: 45x ² Dried Pulp: 2.9x ² Juice: 0.04x ²
Lemon	Foliar Directed/ 294-300	0	0.085	0.231	Oil: 45x ² Dried Pulp: 2.9x ² Juice: 0.04x ²

¹ g a.i./ha = grams of active ingredient per hectare.

² Processing factors extended from orange oil, dried pulp and juice.

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of mandipropamid. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

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

Chemistry, Value and Environmental Assessments

Chemistry, value and environmental 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 MRLs for residues of mandipropamid in/on imported citrus fruits and citrus oil.

References

PMRA Document Number	Reference
3078621	2017, Mandipropamid: Magnitude of the Residue on Orange, DACO: 7.4.1
3078622	2017, Mandipropamid: Magnitude of the Residue on Grapefruit, DACO: 7.4.1
3078623	2017, Mandipropamid: Magnitude of the Residue on Lemon, DACO: 7.4.1

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