

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2007-8746
Application: B.5.0 (Import Maximum Residue Limits (MRLs) for registered active ingredient)
Product: Pyrimethanil Technical
Registration Number: n/a
Active ingredients (a.i.): Pyrimethanil [PYI]
PMRA Document Number: 1796979

Purpose of Application

The purpose of the present submission is to amend the current MRLs to cover residues of pyrimethanil in/on imported Pome Fruits (Crop Group 11) following postharvest treatment.

Chemistry Assessment

A chemistry assessment is not required for this application.

Health Assessments

A toxicology assessment is not required for applications to establish import MRLs for active ingredients which have been previously assessed.

To support the establishment of import MRLs for pyrimethanil on pome fruits, residue data from postharvest trials conducted in storage facilities in the US and EU were reviewed for apples and pears. In addition, previously reviewed processing studies in apples treated with Pyrimethanil were reassessed to determine the potential for concentration of residues of pyrimethanil into processed commodities.

MRL Recommendations

Recommendations for MRLs for pyrimethanil in/on imported pome fruits (Crop Group 11) were based on guidance provided in PRO2005-04 (“Guidance for Setting Pesticide Maximum Residue Limits Based on Field Trial Data”).

Based on the residue data and the MRL statistical methodology, MRLs to cover pyrimethanil residues of 14 ppm in/on imported pome fruits will be established as shown in Table 1. Residues of pyrimethanil in processed commodities of pome fruits are covered under established MRLs for the raw agricultural commodities (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)							
Commodity	Application Method/ Total Application Rate	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Apple fruit	Postharvest treatment/ 8.1-10.8 g a.i./ton of fruit	NA*	0.25	8.62	No concentration of residues observed in apple juice fractions.	3 ppm	14 ppm (apples, crabapples, loquats, mayhaws, pears, Oriental pears, quinces)

* NA: not applicable, since postharvest applications were made.

Environmental Assessment

An environmental assessment is not required for this application.

Value Assessment

A value assessment is not required for this application.

Conclusion

Following the review of all available data, the PMRA is recommending an MRL of 14 ppm for pyrimethanil for imported pome fruits.

References

PMRA Document Number	Reference
1519583	2003, Residue of R023979 and R215559 in Pome Fruits following one Post-harvest treatment, RA-042, MRID: NA, DACO: 7.4.1
1519584	2003, Residue of R023979 and R215559 in Pome Fruits & Strawberries following one Post-harvest treatment following various application techniques, RA-048, MRID: NA, DACO: 7.4.1
1519593	2007, Pyrimethanil: Penbotec 400SC & Xedathane supervised residue trial studies, NA, MRID: NA, DACO: 7.4.1
1519594	2007, Pyrimethanil: Penbotec 400SC & Xedathane a residue decline, NA, MRID: NA, DACO: 7.4.2
1519802	2007, Magnitude of Residue of Pyrimethanil on Pome Fruit Following Post-Harvest Fogging with Xedathane A, 06001, MRID: 47226701, DACO: 850.1500,9.5.3.2
1519803	2007, Magnitude of Residue of Pyrimethanil in/on Pome Fruits in Storage Following One Post-Harvest Thermofogging Application of Xedathane-A HN. France, 2007, XDA-G002-07, MRID: 47201502, DACO: 850.1500,9.5.3.2

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