

Trade Advice Notice

on

Pyriproxyfen

in the product

Admiral Insect Growth Regulator
(product number 60997)

September 2009

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Kingston ACT 2604
Australia

1. PREFACE

1.1 About this Document

This is a Trade Advice Notice.

It indicates that the Australian Pesticides and Veterinary Medicines Authority (APVMA) is considering an application for registration of an agricultural or veterinary chemical. It provides a summary of the APVMA's residue and trade assessment.

Comment is sought from industry groups and stakeholders on the information contained within this notice.

The APVMA will only consider comment on submissions that relate to the **trade implications** of the extended use of the product. Comments received outside these grounds will not be considered by the APVMA. Comments made on appropriate grounds will be considered with details posted on the APVMA website noting what action has/will be taken in regard to concerns.

Any advice the APVMA receives through this consultation which it relies on to grant this application will be noted in a subsequent Advice Summary.

Advice Summaries can be found at:

http://www.apvma.gov.au/registration/data_requirements_subpage.shtml

1.2 Prior to Submission

Please note that subject to the *Freedom of Information Act 1982*, the *Privacy Act 1988* and the Agvet Codes all submissions received may be made publicly available. They may be listed or referred to in any papers or reports prepared on this subject matter.

The APVMA reserves the right to reveal the identity of a respondent (you) unless a request for anonymity accompanies your submission. If no request for anonymity is made, you will be taken to have consented to the disclosure of your identity for the purposes of Information Privacy Principle 11 of the *Privacy Act 1988*.

The contents of any submission will not be treated as confidential or confidential commercial information unless they are marked as such and you have provided justification such that the material is capable of being classified as confidential or confidential commercial information in accordance with the *Freedom of Information Act 1982* or the Agvet Codes as the case may be.

1.3 About this consultation

The APVMA invites comment on this Trade Advice Notice until the **23/11/2009**
Submissions should be addressed to:

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CONTENTS

1. PREFACE	3
About this Document	3
Prior to Submission	3
About this Consultation	3
2. INTRODUCTION	5
3. TRADE CONSIDERATIONS	5
3.1 Commodities Exported	5
3.2 Destination and Value of Exports	5
3.3 Proposed Australian Use-Pattern	5
3.4 Results from residues trials presented to the APVMA	6
3.5 Codex Alimentarius Commission and overseas MRLs	7
3.6 Current and proposed Australian MRLs for pyriproxyfen	7
3.7 Potential Risk to Trade	8
4. CONCLUSION	9

2. INTRODUCTION

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application from Sumitomo Chemical Australia Pty Ltd to vary the use of *ADMIRAL INSECT GROWTH REGULATOR*, containing the active ingredient pyriproxyfen at 100 g/L, in mangoes to reduce the withholding period from 8 weeks to 4 weeks. The product is an insecticide used for control of various scale insects and whitefly in cotton, rockmelon, tomato, capsicum, citrus fruit, mangoes and olives.

Mangoes are not listed in Appendix 1 of Part 5B of the Manual of Requirements and Guidelines (MORAG), however this application is subjected to a Trade Advice Notice owing to the proposed increase in the MRL for pyriproxyfen in mangoes.

The potential for pyriproxyfen residues in these commodities to unduly prejudice trade in mangoes is discussed below.

3. TRADE CONSIDERATIONS

3.1 Commodities Exported

Mangoes are exported in varying quantities. It is proposed to increase the MRL for pyriproxyfen in mangoes.

3.2 Destination and Value of Exports

The destinations and value of exports of mangoes are summarised below:

Export markets for Australian mangoes are tabulated below for the year 2007/08 (Australian Bureau of Statistics figures). Total exports in that year were valued at \$11.01 million.

Australian Mango Exports (2007/2008)

Destination	Value, \$ thousands
Hong Kong	3715.93
Japan	2082.92
Singapore	1492.63
New Zealand	885.18
United Arab Emirates	679.49
Malaysia	547.46
Qatar	313.65
The Netherlands	311.56
Lebanon	305.24
Canada	94.9
Kuwait	94.33
Other	521.18
TOTAL	11014.5

3.3 Proposed Australian Use-Pattern and Label Statements

The proposed modified Australian use pattern for *ADMIRAL INSECT GROWTH REGULATOR*, is detailed in the table below.

Crop	Pest	Rate	Critical Comments
Mango	Mango scale (<i>Aulacaspis tubularis</i>) Pink wax scale (<i>Ceroplastes rubens</i>)	50 mL/100 L (5 g ai/100 L)	Mango scale: Apply at the time of crawler release. There are usually multiple periods of crawler release from spring through autumn. Ideally ADMIRAL should be applied to control the first generation but if the infestation persists and there is significant crawler release later in the season, then ADMIRAL can be applied again. DO NOT apply more than twice in any one season. Pink wax scale: Apply at the time of crawler release in early spring to early summer. There are usually two periods of crawler release in Queensland, with crawlers of the second generation emerging in mid summer to mid autumn. Ideally ADMIRAL should be applied to control the first generation but if the infestation persists and there is significant second generation crawler release then ADMIRAL can be applied again. DO NOT apply more than twice in any one season.

Restrains:

DO NOT apply if rain is forecast within 48 hours.

DO NOT apply to soils where surface water is evident.

DO NOT apply ADMIRAL more than twice per growing season. ADMIRAL should be alternated with other suitable products, the choice of which will depend on the need to maintain beneficial insects in the field or orchard.

Withholding periods:

Mangoes:

DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

Trade advice information:

Treated citrus fruit, melons, tomatoes, mangoes and olives destined for export may require extra time being allowed between application and harvest to be accepted in some export markets. Before you use this product, you are advised to contact Sumitomo Chemical Australia Pty Ltd and/or your industry body about any potential trade issues and their management.

3.4 Results from residues trials presented to the APVMA

Mango

Seven Australian residues trials for pyriproxyfen in mangoes conducted during the 2004/05 and 2008/09 seasons were considered by APVMA. Two applications were made to the point of run off at 14-day intervals with a spray concentration of 5 g ai/100 L, in accordance with the label instructions. Residues of pyriproxyfen in mangoes collected at the proposed new withholding period of 28 days were <0.005 (3), <0.01 (2), 0.01, and 0.026 mg/kg. It is proposed to increase the pyriproxyfen MRL for mangoes from *0.01 mg/kg to 0.05 mg/kg.

In one of the above trials, samples were additionally collected at longer intervals (42, 56 and 70 days after the last application), and residues of pyriproxyfen at all of these time points were <0.01 mg/kg.

Livestock

No changes to stockfeed MRLs for pyriproxyfen are proposed as mangoes are not a significant livestock feed, and no changes are proposed to any other plant commodity MRLs. Therefore, there is not expected to be any increase in the dietary burden of pyriproxyfen for livestock. Existing MRLs for pyriproxyfen in animal commodities remain appropriate.

3.5 Codex Alimentarius Commission and overseas MRLs

The Codex Alimentarius Commission (Codex) is responsible for establishing Codex Maximum Residue Limits (CXLs) for pesticides. CXLs are primarily intended to facilitate international trade, and accommodate differences in Good Agricultural Practice (GAP) employed by various countries. Some countries may accept CXLs when importing foods. Pyriproxyfen has the following relevant Codex and overseas country MRLs.

OVERSEAS TOLERANCES FOR PYRIPROXYFEN IN RELEVANT COMMODITIES

Country/status	Commodity	Tolerance, mg/kg (expiry date)	Reference
USA	Mango	1	Electronic Code of Federal Regulations, Title 40, Part 180, Section 180.510, as of 8 September 2009.
Japan (provisional)	Mango	1	Ministry of Health, Labour and Welfare, Table in Item 7(1), Section A General Compositional Standards for Food, Provisional MRLs List
EU	Mango	*0.05	EU Pesticides Database, http://ec.europa.eu , updated on 23 June 2009.
South Africa	Mango	0.02	Applicant-supplied information
Mexico	Mango	0.5	Applicant-supplied information

3.6 Current and proposed Australian MRLs for pyriproxyfen

The following changes are proposed to Australia pyriproxyfen MRLs:

Table 1

Compound	Food	MRL (mg/kg)
Pyriproxyfen		
DELETE:	FI 0345 Mango	*0.01
ADD:	FI 0345 Mango	0.05

*MRL set at the limit of quantitation.

For full details of Australian pyriproxyfen MRLs, please refer to the APVMA website <http://www.apvma.gov.au> and follow the *Chemical residues* link.

3.7 Potential Risk to Trade

Export of treated produce containing finite (measurable) residues of pyriproxyfen may pose a risk to Australian trade in situations where (i) no residue tolerance (import tolerance) is established in the importing country or (ii) where residues in Australian produce are likely to exceed a residue tolerance (import tolerance) established in the importing country.

It is proposed to increase the pyriproxyfen (Pyriproxyfen) MRL for mangoes.

The proposed limit for mangoes (0.05 mg/kg) is the same as or lower than the current MRLs for pyriproxyfen in mangoes in the European Union, the USA, Japan, and Mexico. New Zealand accepts Australian MRLs under the Trans Tasman Mutual Recognition Agreement. There is no Codex MRL for pyriproxyfen in mangoes, and no MRLs have been established in Singapore, Malaysia or Canada.

4 CONCLUSION

It is proposed to increase the MRL for pyriproxyfen (pyriproxyfen) in mangoes. Comment is sought on the potential for pyriproxyfen in *Admiral Insect Growth Regulator* to unduly prejudice Australian trade when it is used on mangoes to control mango scale insects and pink wax scale insects.

A more detailed technical assessment report on the evaluation of the trade implications of this chemical can be obtained by contacting the APVMA. Alternatively, the reports can be viewed at the APVMA Library, which is located at:

18 Wormald Street

Symonston ACT, 2609 Office hours: 9.00 - 5.00 (EST) Monday to Friday