

HORTICULTURAL PESTICIDES MINOR USE UPDATE -WINTER 2006 –

This is the third edition of the Horticulture Minor-Use Update prepared by AgAware Consulting Pty Ltd. The aim of the Update is to provide each horticultural industry, government agencies, reseller network, horticulture consultants and agchem manufacturers with the latest information on the Horticulture Australia (HAL) funded project, 'AH04009 – Coordination of minor-use permits for horticulture'.

PROJECT AIMS

The project aims to assist all horticulture industries to protect their crops from diseases, insects or weeds by coordinating and consolidating the minor-use permit application process on their behalf. The project will undertake the assessment of chemical suitability, resistance, IPM, residues and exports in its evaluations. The project is also conducting 'strategic pesticide gap analyses' with participating industries to critically evaluate current pesticide options and future pesticide needs.

EMERGENCY PERMITS

Several industries have had emergency or urgent permits issued over the past six months. These are:

Permit number	Permit holder	Crop	Pest	Product	Expiry date
9269	AgAware on behalf of HAL	Seedlings of: Lobed croton, <i>Euphorbia spp.</i> Lisianthus, <i>Physalis spp.</i> , tomatoes & peppers (excl. hydroponic production) (Qld & NSW)	<i>Bemisia tabaci</i> native biotype (Sweet potato whitefly), <i>B. tabaci</i> biotype B (Silverleaf whitefly)	Confidor 200 SC (imidacloprid)	31 January 2007
9075	AgAware on behalf of APAL	Apples (Qld & NSW)	Alternaria	Delan (dithianon)	20 June 2006 (renewal by Growcom)
9060	AgAware on behalf of APAL	Apples (Qld & NSW)	Alternaria	Polyram (metiram)	20 June 2006 (renewal by Growcom)
9072	AgAware on behalf of Strawberries Aust	Strawberries (NSW, SA, Vic)	Twospotted mite	Acramite (bifenazate)	25 January 2011
9261	AgAware on behalf of HAL	Pawpaw (Qld)	Black Spot & Brown Spot	Bravo (chlorothalonil)	30 November 2007



Permit number	Permit holder	Crop	Pest	Product	Expiry date
8654	AgAware on behalf of Aust Macadamia Society	Macadamia orchards (NSW, Qld)	Rats (various species)	Rattoff Bait Sachet (zinc phosphine)	1 February 2008
9260	AgAware on behalf of HAL	Pawpaw (Qld)	Phytophthora root rot & Pythium	Ridomil Gold 25G + phosphorous acid	30 November 2007
8140	AgAware on behalf of Ausveg	Lettuce, chicory, endive & radicchio (NSW)	Lettuce aphid (soil application)	Confidor Guard (imidacloprid)	31 June 2007
9184	AgAware on behalf of Ausveg	Lettuce, broccoli, cauliflower, cabbage, okra, beans (NSW, Qld, NT, WA)	Silverleaf whitefly (seedling drench or soil application)	Confidor 200 SC or Guard (imidacloprid)	30 September 2008
8140	AgAware on behalf of Ausveg	Potatoes (Qld)	Silverleaf whitefly (soil application)	Confidor Guard (imidacloprid)	31 March 2008
9379	AgAware on behalf of Ausveg	Parsley (Qld)	Phytophthora root rot & Pythium	Ridomil Gold 25G	30 September 2011

Emergency permits still under APVMA evaluation

Permit holder	Crop	Pest	Product	Expected issue date
AgAware on behalf of EE Muir	Olives	Black scale	Insegar (fenoxycarb)	Late July 2006
AgAware on behalf of Aust Mango Industry Assoc.	Mango	Mango seed weevil	Actara (thiamethoxam)	Late July 2006

Emergency permits rejected by APVMA

Permit holder	Crop	Pest	Product	Reason
AgAware on behalf HAL	Bananas	Sucker management	Ethrel (ethephon)	No residue data available – currently being generated

STRATEGIC PESTICIDE GAP ANALYSIS

A Strategic Pesticide Gap Analysis (SPGA) assesses the current fungicides, insecticides and herbicides available to any particular horticultural crop and matches it to the diseases, insects and weeds that are registered to be control. SPGA then assess the value of each of these pesticides for selected criteria with the aim of determining their future suitability for use given current and future market requirements. The assessments of current and future needs are conducted by key growers and stakeholders from the industry.

To date, this process has been very successful in the vegetable industry to determine future pesticide requirements. The process also allows for significant input from many other current HAL funded projects, including those in IPM, resistance monitoring, residues and export MRLs, disease and insect pest management options. It has been recently decided that as well as all major field crops being evaluated using SPGA, that greenhouse/hydroponic crops and production nurseries will also be evaluated as they are very unique cropping situations from a production sense with very unique issues.



Industries which have indicated interest in SPGA including Apple and Pear, Strawberry and Summerfruit.

Industries interested in more information on conducting SPGA should contact AgAware Consulting or their HAL Industry Services Manager.

Outcomes from the project will aid growers in meeting legal requirements regarding chemical use, ensure produce does not contain unacceptable chemical residues and meet the requirements of quality assurance systems and export markets.

MINOR-USE PERMITS

In addition to the emergency and urgent permits, many minor-use permits were also applied for or renewed in a range of horticultural crops.

AgAware is working with the Australian Pesticides and Veterinary Medicines Authority to consolidate a range of horticultural permits for the same pesticide into one permit with multiple crops. To date permit consolidation has been undertaken for 12 pesticides that will potentially convert 56 different permits or permit applications into 14 'mega' permits. This process is on-going as new permits are requested and permits require renewal.

All horticultural industries have recently received a list of all current horticultural permits. This was prepared with the support of APVMA. All permits are available from the APVMA website, <http://www.apvma.gov.au/permits/permits.shtml> or AgAware.

Industries indicating support of studies to get minor use permits including Apple and Pear, Cherry, Nursery, Potato, Strawberry and Summerfruit. Discussions will begin with these industries to determine and confirm the genuine need for the minor-use permit by conducting the SPGA **before** conducting any permit work.

WESTERN FLOWER THRIPS

As reported in the last newsletter, permits are current for abamectin, acephate, chlorfenapyr, endosulfan, methamidophos, methidathion, methomyl and pyrazophos for the control of Western Flower Thrips (WFT) in a range of horticultural crops. Fipronil (Regent) was another pesticide that was requested, but was delayed due to residue issues by APVMA. This has now been resolved and a permit will be requested for its use in many crops in the next month.

PROPOSED PROJECTS

All horticultural industries have received a list of all proposed minor-use pesticide requests with associated costs to prioritise and fund appropriately.

The total proposed projects total 212 entries. These are made up of:

- Vegetables (Ausveg) - 83
- Vegetables (non-Ausveg) - 40
- Apples & pears - 5
- Tropical fruits - 23
- Summerfruits - 6
- Citrus - 5
- Nursery - 3
- Berries fruits - 33
- Nuts - 5
- Cut flowers - 4
- Miscellaneous - 5

For Ausveg, 52 prioritised projects underwent the tender process and allocated to accredited researchers in April 2006 to be completed by mid 2007. Other industries have also allocated funds and will commit to projects over the next few months.



INDUSTRY MEETINGS

Over the past six months, meetings have been held with various horticultural industries, consultants, government agencies and agchem manufacturers to discuss their pesticide minor-use requirements, pesticide management issues and registration and the Strategic Pesticide Gap Analysis. The meeting aims are to explore the needs of industries, understand the issues associated with pesticide use, good agricultural practice, pesticide data availability and registration.

NEW INDUSTRY REQUESTS

The current list of proposed minor-use projects was closed on 30 July 2005. Since this time, many new permit requests have been received from various horticultural industries.

If your industry or association have any additional pesticide requirements, please provide the details in the table below and return it to your industry representative who will then forward the information to AgAware.

Crop eg. Macadamia	Product eg. Vertimec	Active eg. abamectin	Problem eg. Two spotted mites	Rate required eg. 100 g/100L	Any current control methods	Damage eg. fruit blemish	Impact eg. loss of value

CONTACT

If you have any queries or require any assistance regarding pesticide minor-use in horticulture, please contact Peter Dal Santo on Ph: 03 5439 5916 Fax: 03 5439 3391 or Email: pds@agaware.com.au

This project is assisted in its outcomes by the Project Advisory Committee. The role of PAC is to:

- Review the scope and focus of the project, providing ongoing advice on the strategic direction and outcome priorities to benefit across horticultural industries.
- Monitor the progress of the project.

You can contact the Project Advisory Committee whose members are:

- Joe Zappala – Qld farmer, Chairman of Papaya Australia and member of the Biosecurity Advisory Council of Qld
- John Bishop – Qld farmer, independent non-executive director of Growcom, chairman of the QFVG Heavy produce and QFF Environmental Committee
- Nicky Singh – NSW farmer, director and Vice President of the Australian Banana Growers Council and a director of the Banana Industry Committee in NSW
- Michael Danelon - Nursery Industry IDO in NSW
- Peter Cochrane – Vic farmer, Executive of Vegetables Growers Association of Victoria
- David Carey – Hort Qld (horticultural consultant) in south-east Qld
- Kevin Bodnaruk – AKC Consulting P/L, horticultural and pesticide consultant
- Brad Wells - Professional Services, Horticulture Australia Ltd

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