

Integrated pest management in ornamentals information kit

Reprint – information current in 2000



REPRINT INFORMATION – PLEASE READ!

For updated information please call 13 25 23 or visit the website www.deedi.qld.gov.au

This publication has been reprinted as a digital book without any changes to the content published in 2000. We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research:

- Chemical recommendations—check with an agronomist or Infopest www.infopest.qld.gov.au
- Financial information—costs and returns listed in this publication are out of date. Please contact an adviser or industry body to assist with identifying more current figures.
- Varieties—new varieties are likely to be available and some older varieties may no longer be recommended. Check with an agronomist, call the Business Information Centre on 13 25 23, visit our website www.deedi.qld.gov.au or contact the industry body.
- Contacts—many of the contact details may have changed and there could be several new contacts available. The industry organisation may be able to assist you to find the information or services you require.
- Organisation names—most government agencies referred to in this publication have had name changes. Contact the Business Information Centre on 13 25 23 or the industry organisation to find out the current name and contact details for these agencies.
- Additional information—many other sources of information are now available for each crop. Contact an agronomist, Business Information Centre on 13 25 23 or the industry organisation for other suggested reading.

Even with these limitations we believe this information kit provides important and valuable information for intending and existing growers.

This publication was last revised in 2000. The information is not current and the accuracy of the information cannot be guaranteed by the State of Queensland.

This information has been made available to assist users to identify issues involved in ornamental horticulture. This information is not to be used or relied upon by users for any purpose which may expose the user or any other person to loss or damage. Users should conduct their own inquiries and rely on their own independent professional advice.

While every care has been taken in preparing this publication, the State of Queensland accepts no responsibility for decisions or actions taken as a result of any data, information, statement or advice, expressed or implied, contained in this publication.



Crop Notes

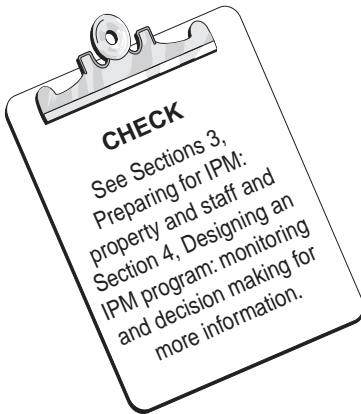
What can you expect to learn from this section?

This section and Handy Guide 2, Crop management for ornamentals, is a reminder of some of the important actions you might need to consider in an IPM program during the life of a crop.

In addition, it details how you can contribute your knowledge of the occurrence of pests and diseases in your crops to an industry database.

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Crop management guide

During the life of a crop, there are certain important management considerations for a successful IPM program. *Handy Guide 2, Crop management for ornamentals* (in the front pocket of this information guide) lists a variety of actions that can be taken, from pre-planting to postharvest, to keep your crop pest and disease-free.

Benefits of keeping crop notes

We had hoped to provide a seasonal calendar for targeting key pests and diseases in ornamental crops throughout Australia. The calendar would have benefited growers by indicating when these pests and diseases were expected during the year. This knowledge would have allowed growers to adopt a structured approach to their management.

A seasonal calendar for this industry proved impossible to develop at the time of publication. There were too many different production situations and the range of ornamental plants being cultivated on any one property can run into the hundreds.

As one reviewer pointed out, there are producers of bedding plants, herbs, potted colour, landscape plants, orchids, ferns, palms, advanced tree stock, natives, specialist growers of plants such as camellias and rhododendrons, topiaried plants, fruit trees, vegetables and revegetation plants, to name just some of them.

Instead we have decided to help producers by:

Suggesting that growers collect and submit their own data on key pests and diseases infesting ornamental plants to provide industry with more reliable information on this issue.

For this exercise we have included two blank crop note sheets on pest and disease seasonality at the end of this section on which to record your pest and disease information.

Recording pest and disease information

What we would like you to do

- Before starting, make sure you copy these forms so that you have enough to last for several years.
- Be sure you have correctly identified the pest or disease you record.
- When filling out the blank crop note sheets, name the pest or disease and mark the month when it is found in your ornamental crops by shading or using a tick between consecutive months. If the pest/disease outbreak is especially bad at a particular time of the year, note this in the 'Comments' section at the end of the sheet.
- If you are not confident about being able to differentiate between species of a pest group, then simply refer to them as the pest group. For example, if you can't separate green peach aphid from cotton aphid, then simply refer to them as 'aphids'. If you are unsure about identification, always try



to get any important pest or disease identified by an expert. If you are going to refer to it by the pest group name, ensure that you are correct in at least that much.

Please record pest and disease incidence in all commercially produced ornamental lines, whether they are produced under outdoor, shadehouse or greenhouse conditions.

What will you get out of this information?

Once you have filled in the crop note sheets, you will have a record of your seasonal pest and disease problems. Over time these records may show a regular pattern of occurrence for some organisms. This predictable trend may help you develop a preventative treatment program to manage the pests and diseases. The successful use of some measures such as biocontrol can benefit from this knowledge.

What will the industry get out of this information?

Detailed knowledge of key pests and diseases in each State is important in enabling entomologists, plant pathologists and IPM consultants to work more efficiently in developing successful IPM programs to counter them. State departments of agriculture and primary industries are very interested in gathering such information to make it available to all growers and benefit the industry.

IPM requires good intelligence on pests and diseases to be of maximum benefit to your business. This section has been inserted to encourage ornamental plant producers to assist the industry as a whole to develop an accurate database of pests and diseases causing economic damage to ornamentals.

We would appreciate it if you could fill in the blank crop note sheets over the following year and beyond, and post or fax them to:

For nursery crops:

Ian Atkinson
National Nursery Industry Development Manager
PO Box 907
EPPING NSW 2121
Fax: (02) 9876 6360

For other ornamental crops:

Stephen Goodwin
Senior Entomologist
Locked Bag 26, NSW Agriculture
GOSFORD NSW 2250
Fax: (02) 4348 1910



Consultant (left) passing on information to a grower

The data from these records will be presented on an industry basis and grower confidentiality will be maintained.

