

Custard apple information kit

Reprint – information current in 1998



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 1998. We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research: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- Financial information—costs and returns listed in this publication are out of date.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 1998. 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 custard apple production. 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.



Queensland Government

Problem Solver

HANDY GUIDE

for custard apple pests and diseases

Handy Guide 1



SAFETY FIRST

Read the label
Follow the directions
Wear protective clothing

AgriLink
For more information, visit
www.agrilink.co.nz

May 1999



Active ingredient/ Trade names	Cryptolaemus lachrymosus available from beneficial insect suppliers	Lepomis wasps available from beneficial insect suppliers	Copper oxychloride Lancop, copper oxychloride products under NFA open use permit	Petroleum oil: Citrole, D-C-Tron Plus, Spray Oil Universal, Summer Oil, Summer Spray Oil	Trichloron bait spray: Diplex + yeast autoclysalate	Maldison bait spray: Hy-Mal + yeast autoclysalate	Dimethoate: Dimethoate 400, Dimethomax, Perfekthion, Rogor, Romehoale, Foxoxon, Saboteur	Fenitrothion: Lebaycid	Methidathion: Supracide, Suprathion	Chlorpyrifos: Chlorfos, Chlorpyrifos 500, Cyren, Iban	Endosulfan: Endosulfan 350, Thiodan, Thionex
Withholding period (days)	0	0	1	1	2	3	7	7	14	14	14
Anthracnose			✓								✓
Banana spotting bug											✓
Black scale											✓
Black canker			✓								✓
Blue triangle butterfly											✓
Diplodia fruit rot			✓								✓
Fruit flies											✓
Fruit-spitting bug					✓						✓
Long soft scale											✓
Loopers											✓
Mealybugs											✓
Massaso spot (Pseudocercospora spot)											✓
Nigra scale			✓								✓
Purple blotch											✓
Queensland fruit fly		✓									✓
Scale insects			✓								✓
Soft brown scale											✓
Spralling whitefly											✓
Trunk and stem canker											✓
Yellow peach moth			✓								✓

Disclaimer: This is a guide only. The product label is the official source of information relating to use of a chemical. In no event shall the authors or their respective organisations be liable for any damages whatsoever resulting from use of the data in this handy guide.

✓ Indicates that at least one of the trade products is registered in both Queensland and New South Wales for that use. Check the label before use.

✓Q Indicates that at least one of the trade products is registered in Queensland only for that use. Check the label before use.

✓N Indicates that at least one of the trade products is registered in New South Wales only for that use. Check the label before use.

✓ Where more than one product is registered, indicates the preferred choice/s of the authors considering effectiveness, compatibility with IPM and environmental impacts.



Crop Management Calendar

HANDY GUIDE

for custard apple

Handy Guide 2

Applies to mature trees (five years or older) grown in coastal south Queensland. Timing adjustment required for other districts.

Full details of all operations are contained in Section 3, Growing the crop and Section 4, Key Issues.



June 1999



Operation	January	February	March	April	May	June	July	August	September	October	November	December
Crop cycle												
Fertilising	<p>Second major leaf flush</p> <ul style="list-style-type: none"> Apply 35% of annual N fertiliser and up to 50% of annual K fertiliser Best time for leaf and fruit growth is two months before start of harvest <p>Major fruit growth period</p> <ul style="list-style-type: none"> Apply 15% of annual K fertiliser Apply lime or dolomite according to leaf and soil analysis results 											
Watering	<ul style="list-style-type: none"> Critical time for irrigation (flowering, leaf and fruit growth) Keep watering to maintain even soil moisture 											
Pest & disease control	<ul style="list-style-type: none"> Monitor fruit at fortnightly intervals for fruiting moth, mealybugs and fruit diseases. Spray when action level is reached. Alternatively, for mealybugs, release beneficial insects Monitor fruit fly activity with lure traps. Also monitor fly activity on fruit. Apply bait sprays when action level is reached. Fruit flies are generally present in large numbers at this time Spray trunks and soil around trunks for ants 											
Pruning	<ul style="list-style-type: none"> Summer pruning (tip-pruning) on laterals that have not set fruit Skit trees to prevent ant bridges 											
Other	<ul style="list-style-type: none"> Hand pollinate Pinks Mammoth and Hillary White The African Pride fruit (remove misshapen and heavily clustered fruit) 											

Operation	January	February	March	April	May	June	July	August	September	October	November	December
Fertilising	<ul style="list-style-type: none"> Apply 35% of annual N fertiliser and up to 50% of annual K fertiliser just before budbreak See comment for August 											
Watering	<ul style="list-style-type: none"> Keep watering to maintain even soil moisture up to end of harvest Water to maintain even soil moisture after budbreak 											
Pest & disease control	<ul style="list-style-type: none"> Where late fruit is still hanging, continue to monitor for fruiting moth, mealybugs and diseases as indicated in June To minimise the carry-over of fruit diseases into the new season, no fruit should be left on the ground under the tree. Also spray with copper oxychloride. Also spray the tree with copper oxychloride. This helps to minimise the carry-over of fruit diseases into the new season Where ants are a problem, spray trunks and soil around trunks 											
Pruning	<ul style="list-style-type: none"> After harvesting and before pruning, remove dead wood, trim, lop trees and window prune for better light penetration End of normal harvest Where defoliation is practised, defoliate one month before normal budbreak 											
Other	<ul style="list-style-type: none"> Hand pollinate Pinks Mammoth and Hillary White The African Pride fruit (remove misshapen and heavily clustered fruit) 											