

# Rockmelon and honeydew information kit

Reprint – information current in 1997



## REPRINT INFORMATION – PLEASE READ!

For updated information please call 13 25 23 or visit the website [www.deedi.qld.gov.au](http://www.deedi.qld.gov.au)

This publication has been reprinted as a digital book without any changes to the content published in 1997. We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research: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](http://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- Financial information—costs and returns listed in this publication are out of date.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](http://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.

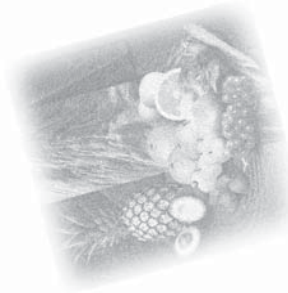
**This publication was last revised in 1997. The information is not current and the accuracy of the information cannot be guaranteed by the State of Queensland.**

This information has been made available to assist users to identify issues involved in the production of rockmelon and honeydew. 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






# Crop Production

## HANDY GUIDE

for rockmelon and honeydew



Handy Guide 2

	Pre-plant	Planting to first runners	First runners to fruit set	Fruit set to harvest	After harvest
<b>Duration of each stage</b>		 <p>Up to 3 weeks for transplants and 5 weeks for direct seeded crops.</p>	 <p>Up to 5 weeks.</p>	 <p>5 to 7 weeks to harvest then 2 to 4 weeks of harvest.</p>	
<b>Weed control</b>	<p>Don't let weeds seed.</p>	<p>Control weeds. Carefully remove weeds growing through planting hole.</p>	<p>Control weeds in the crop and flowering weeds around the farm.</p>		<p>Don't let weeds seed.</p>
<b>Pest and disease control</b>	<p>Ensure all crop residue has broken down.</p> <p>Apply a nematocide or fumigate if necessary.</p> <p>Do a soil analysis.</p>	<p>Control cutworm, armyworm and aphids.</p> <p>Spray a protectant fungicide every 7 to 10 days to control powdery and downy mildews and gummy stem blight.</p>	<p>Spray a protectant fungicide every 7 to 10 days to control powdery and downy mildews and gummy stem blight.</p> <p>Apply two sprays of a systemic chemical for downy mildew control if there are heavy dews or rain, then continue with a protectant.</p> <p>Spray as necessary to control mites and insects. Use chemicals with a low toxicity to bees.</p>	<p>Control downy and powdery mildews and gummy stem blight.</p> <p>Alternate a protectant with a systemic chemical for powdery mildew control.</p> <p>Apply two sprays of a systemic chemical for downy mildew control if there are heavy dews or rain, then continue with a protectant.</p> <p>Spray as necessary to control mites and insects.</p>	<p>Cultivate in crop residue immediately after the last harvest.</p>
<b>Pollination</b>			<p>Bring beehives into the crop when 10% of the crop is in flower.</p>		
<b>Plant nutrition</b>	<p>sis.</p> <p>Apply lime or dolomite if required.</p> <p>Apply pre-plant fertiliser.</p>	<p>Apply trace elements if required.</p>	<p>Do a leaf analysis or sap tests.</p> <p>Apply side dressings as required.</p> <p>All fertiliser should be applied by early fruit set (first fruit golf ball size).</p>	<p>Sap test.</p> <p>Irrigate at 10 to 20 centi-</p>	
<b>Watering</b>		<p>Irrigate immediately after planting and keep potting mix moist until plant roots leave the mix.</p> <p>Install tensiometers or Enviroscan probes.</p> <p>Do not overwater when soil is cold.</p> <p>Irrigate at 10 to 30 centibars on tensiometers.</p>	<p>Irrigate at 10 to 20 centibars on tensiometers on sandy soils and 10 to 30 centibars on clay soils.</p>	<p>bars until one week before harvest, then at: 25 to 40 centibars on sandy soil and 35 to 60 centibars on clay soils.</p>	



# Chemical application rates

NOTE: Rates listed are a guide only. Individual products may vary within the range given. Check the label before use.

Active ingredient: trade names	Product rate		Use class	Residual toxicity (hours)
	per 100 L water	per ha		
<b>benalaxyl + mancozeb:</b> Galben M	250 g	2.5 kg	3	
<b>benomyl:</b> Benlate + wetting agent	100 g + 130 mL guazatine			
<b>benomyl:</b> (off label use)	5 – 500 g/L as a seed dressing			
<b>bupirimate:</b> Nimrod	60 mL		4	
<b>carbaryl:</b> Carbaryl Bugmaster Flowable, Carbaryl Flowable	125 – 130 g 160 – 320 mL	1.4 kg 1.8 – 2.2 L	1	> 168
<b>chlorothalonil:</b> Bravo 500, Rover 500 Flowable Bravo 720	2.4 – 3.6 L	1.6 – 2.5 L	4	
<b>chlorpyrifos (bait):</b> Chlorfos, Chlorpyrifos, Cyren, Iban, Lorsban, Pirifoz	100 mL/10 kg bran			
<b>chlorpyrifos (spray):</b> Chlorfos, Chlorpyrifos, Cyren, Iban, Lorsban, Pirifoz	70 – 200 mL	500 mL – 2 L	1	> 24
<b>copper hydroxide:</b> Blue Barrier, Blue Shield, Champion, Copper Hydroxide, Coppit-oh, Kocide	200 g		4	
<b>copper oxychloride:</b> Copper Oxychloride, Coppox, Coppurite, Oxydul	300 – 500 g		4	
<b>demeton-S-methyl:</b> Metasystox	100 mL	1.1 L	3	0
<b>diazinon:</b> Diazinon, Gesapon	30 mL	350 mL – 1.4 L	1	> 24
<b>dicofol:</b> Kelthane, Miti-fof	115 – 200 mL		4	
<b>dimethirimol:</b> Milcurb		1 – 2 L (foliar) 5 – 12 L (trickle)		
<b>dimethoate:</b> Danadim, Dimethoate, Perfekthion, Rogor, Roxion, Saboteur	75 mL	750 – 800 mL	1	72
<b>dimethomorph:</b> Acrobat MZ		2 kg		
<b>endosulfan:</b> Bar, Endosulfan, Thiodan	190 – 200 mL	2.1 L	3	5
<b>fenamiphos:</b> Nema-cur 400	16 mL/10 m of row (banded)	24 L	1	
<b>fenarimol:</b> Rubigan	20 mL	200 mL		



## Use class

1. Cannot be applied safely to flowering crops.
2. Can be applied in late evening after foraging.
3. Can be applied whenever bees are not foraging.
4. Can be applied safely at any time.

Active ingredient: trade names	Product rate		Use class	Residual toxicity (hours)
	per 100 L water	per ha		
<b>guazatine:</b> Panoctine	130 mL + 100 g Benlate + wetting agent			
<b>imidacloprid:</b> Confidor (off label use)	15 mL	170 mL	2	
<b>maldison:</b> Maldison – 168		450 – 900 mL	1	24
<b>maldison + yeast autolysate:</b> (off label use)	1 L + 2 L yeast autolysate		1	24 – 168
<b>mancozeb:</b> Bryzeb, Dithane, Mancozeb, Manzate, Penncozeb	150 – 200 g	1.7 – 2.2 kg	3	
<b>mancozeb + metalaxyl:</b> Ridomil MZ	250 g	2.5 kg	3	
<b>mancozeb + oxadixyl:</b> Recoil	250 g	2.5 kg	3	
<b>metalaxyl:</b> Ridomil 50G	2.5 g/10 L potting mix	40 kg	4	
<b>methidathion:</b> (off label use)	75 – 125 mL	750 mL – 1.4 L	1	72
<b>oxadixyl + propineb:</b> Fruvit	250 g	2.5 kg	1	
<b>oxythioquinox:</b> Moreslan	25 – 50 g	250 – 500 g	4	
<b>parathion:</b> Novafos, Parathion	20 mL		1	> 24
<b>parathion-methyl:</b> Folidol, Parathion Methyl	65 mL	700 mL	1	> 24
<b>petroleum oil:</b> (off label use) Sunspray Ultra-fine Spray Oil	1 kg active + aphicide 1 – 2 L + aphicide		3	< 3
<b>pirimicarb:</b> Aphidex, Pirimor	100 – 200 g	500 g – 1 kg	3	< 2
<b>propargite:</b> Omite	100 g		4	< 3
<b>propineb:</b> Antracol	200 g	2 kg		
<b>pyrazophos:</b> Afugan	50 mL	500 mL	1	
<b>thiometon:</b> Ekatin	75 – 100 mL		3	
<b>thiram:</b> (off label use)	2 g/kg of seed		4	
<b>triadimenol:</b> Bayfidan, Shavit	40 mL	400 mL		
<b>trichlorfon:</b> Dipterex, Lepidex	95 – 100 mL	900 mL	3	2 – 5
<b>tridemorph:</b> Calixin	30 – 40 mL	300 – 400 mL		
<b>zineb:</b> Cyneb	175 g		3	