

Subtropical banana information kit

Reprint – information current in 2004



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 2004. We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research: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- Financial information—costs and returns listed in this publication are out of date.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 2004. 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 subtropical banana 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



Handy **GUIDES**

The Chemical Handy Guide lists common pests and diseases of subtropical bananas and the chemicals registered for their control. Withholding periods are indicated for individual chemicals.

The Chemical Trade Name Handy Guide lists the trade name and the registration status in the different states of Australia of chemicals mentioned in the Chemical Handy Guide.

These registrations are current in January 2004, but are subject to continuous change. Always must check the label before use. Updated information on registrations can be obtained from your chemical supplier, Infopest or the Australian Pesticide and Veterinary Medicines Authority (APVMA).

Disclaimer

This is a guide only. The product label is the official authority—use it to confirm all data 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.

Chemical handy guide for subtropical banana pests



Active ingredient	ethoprophos	sulfur	bifenthrin	fenbutatin oxide	petroleum oil	paraffin oil	rotenone	dimethoate	dicofol	fenthion	propargite	endosulfan	diazinon	cadusafos	bendiocarb	dimethoate	chlorpyrifos	acephate	fipronil	clofentezine	terbufos	prothiotos	oxamyl	fenamiphos	omethoate
Withholding period (days)	0	0	1/8/NS	1	1	1	7	7	7	7	7	14	14	14	56	0/NA(PH)	14/NA/SL	NA	NA	NA	NA	NA/NS	NS	NS	SL
Banana aphid			✓												✓		✓							✓	
Banana flower thrips			✓												✓										
Banana fruit caterpillar										✓															
Banana fruit fly																									
Banana rust thrips			✓																						
Banana scab moth			✓																						
Banana spider mite		✓	✓																						
Banana weevil borer			✓																						
Banana-silvering thrips																									
Banana-spotting bug																									
Burrowing nematode																									
Canegrubs	✓																								
Caterpillars																									
Cluster caterpillar																									
Fruit flies																									
Mediterranean fruit fly																									
Mites																									
Nematodes																									
Paperwasps																									
Passionvine mite																									
Queensland fruit fly																									
Root-knot nematodes																									
Scale insects																									
Spiral nematode																									
Spiralling whitefly			✓																						
Sugarcane bud moth																									
Two-spotted (red spider) mite	✓																								

✓ Indicates that a trade product containing the active ingredient is registered in at least one Australian state. For a list of trade products and their registration in all states, see the Chemical Trade Name handy guide.

Always check the label before use.

Note that different trade names can have different withholding periods.

NS

None supplied on label

NA

Not applicable

PH

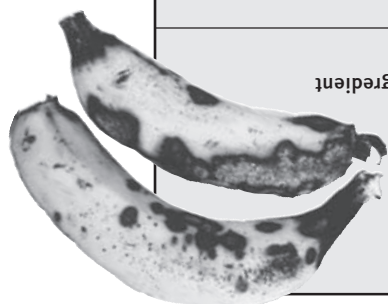
Postharvest

SL

See label

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Chemical handy guide for subtropical banana diseases



Active ingredient	chlorothalonil	copper as ammonium acetate	copper as cuprous oxide	copper as hydroxide	copper as hydroxide+mancozeb	copper as oxychloride	diffenconazole	mancozeb+liquid hydrocarbon/s	paraffin oil + fungicide	petroleum oil	petroleum oil + fungicide	propiconazole	tebuconazole	zineb	mancozeb	mancozeb+petroleum oil	pyraclostrobin	iodine	prochloraz	thiabendazole	carbendazim
Withholding period	1	1	1	1	1	1	1	1	1	1	1	1	7	14	1/7/14	NA	NA	NA(PH)	NA(PH)	NA(PH)	NA/NS(PH)
Anthracoese (black end)					✓										✓				✓		
Bactericide																					
Black pit								✓													
Black Sigatoka							✓														
Black tip																					
Banana bunchy top virus																					
Cordana leaf spot								✓													
Crown rot																					
Fruit speckle																					
Fungi																					
Leaf speckle	✓																				
Leaf spot—yellow Sigatoka	✓																				
Ripe fruit spot																					
Squirter																					

✓ Indicates that a trade product containing the active ingredient is registered in at least one Australian state. For a list of trade products and their registration in all states, see the Chemical Trade Name handy guide.

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Chemical trade name handy guide for subtropical banana pests and diseases

Chemical	Trade name	Qld	NSW	Vic	SA	WA	NT	Tas	ACT	Chemical type
acephate	Lancer 750 DF, Orthene Xtra	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide
bendiocarb	Ficam D	Yes	Yes	No	No	Yes	No	No	No	Insecticide
bifenthrin	APVMA Permit	Yes	No	No	No	No	No	No	No	Insecticide
bifenthrin(100g/L)	Talstar 100 EC, Arrow 100 EC, Rage , Venom 100 EC, Disect 100 EC, Bifen 100, Talstar 80 SC, Webzone, Fenthrin, Jury 80SC	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide
cadusafos	Rugby 100G	Yes	Yes	No	No	Yes	No	No	No	Nematicide
carbendazim	Boomer 500 WP, Carbendazim 500, Goldazim 500SC, Carbend, Sava 500 fungicide, Carbendon SC, Carbendazim 500 SC, Howzat SC, Spin Flo, Bavistin F1	Yes	Yes	No	No	Yes	No	No	No	Fungicide
chlorothalonil	Check-out, 500SC, Whack 500, Fung-O-Nil 500, Chlorothalonil 500SC, Echo 500 SC, Barrack 720, Whack 500, Elect 720, Check-Out 720, Echo 720, Cheers 720, Applonil 720, Bravo, Chlorothalonil 720, Echo 900WDG, Hurrah	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide
chlorpyrifos	APVMA Permit	Yes	No	No	No	No	No	No	No	Insecticide
chlorpyrifos	Suscon Ribbon Insecticide	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide
chlorpyrifos	Pyrinex 500 WP, Cyren 500 WP, Chlorfos, Chlorpyrifos 500, Chlorpyrifos, Profos 500, Chlorpyrimax 500, Chlorpyrifos 500EC, Protector 500 EC, Strike-Out 500 EC, Lorsban 500 EC, Bar 500 EC, Fortune 500, Kensban 500, Generifos 500EC, Pest Controller 500, Voodoo 500, Agricultural Insecticide, Lorsban 750 WG	Yes	Yes	No	No	Yes	No	No	Yes	Insecticide
clofentezine	Apollo SC	Yes	Yes	No	No	Yes	No	No	No	Miticide
Copper ammonium acetate	Liquicop	Yes	Yes	No	No	Yes	No	No	No	Fungicide
Copper oxide	Flocop, Norsshield, Nordox 500, Norsshield WG, Norsshield 750 WP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fungicide
Copper hydroxide plus mancozeb	Mankocide DF	Yes	Yes	No	No	Yes	No	No	No	Fungicide

Chemical trade name handy guide for subtropical banana pests and diseases (cont)

Chemical	Trade name	Qld	NSW	Vic	SA	WA	NT	Tas	ACT	Chemical type
Cu as hydroxide	Kocide Blue, Kocide Blue Xtra, Kocide Liquid Blue, Champ Dry Prill, Coppit-oh Dry Flowable, Blue Mantel, Coppit-oh, Kocide, Copper Hydroxide 500 WP, Flo-Bordo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fungicide
Copper oxychloride	Copper Oxychloride-WP, Copper Oxychloride 500 WP, Copper Oxychloride, Copperoxy 500 WP, Coppox, Brycop, Country Copper Oxychloride 500 WP, Copper Oxychloride 50% WP	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Fungicide
Copper s sulfate (tribasic)	Tri-Base Blue	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fungicide
diazinon	Diazinon 800, Diazinon	Yes	Yes	No	No	Yes	No	No	No	Insecticide
dicofol	Miti-Fol EC, Kelthane MF	Yes	No	No	No	Yes	No	No	No	Miticide
difenoconazole	Score	Yes	Yes	No	No	No	Yes	No	No	Fungicide
dimethoate	APVMA Permit	Yes	No	No	Yes	No	No	No	No	Insecticide
dimethoate	Dimethoate 400, Saboteur, Romethoate, Dimethomax, Rogor, Unidime 400, Dimethoate	Yes	Yes	No	No	Yes	Yes	No	Yes	Insecticide
endosulfan	APVMA Permit	Yes	Yes	No	No	Yes	No	No	No	Insecticide
ethoprophos	APVMA Permit	Yes	No	No	No	No	No	No	No	Nematicide
fenamiphos	Nemacur 100G, Nemacur 400	Yes	Yes	No	No	Yes	No	No	No	Nematicide
fenbutatin oxide	Torque Miticide	Yes	Yes	No	No	No	Yes	No	No	Miticide
fenthion	Lebaycid	Yes	Yes	Yes	No	Yes	Yes	No	No	Insecticide
fipronil	Regent 200SC	Yes	No	No	No	Yes	Yes	No	No	Insecticide
iodine	Biomaxa Iodine granules	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	fungicide, bactericide
kerosene	APVMA Permit	Yes	No	No	No	No	No	No	No	Hydro-carbon
mancozeb	APVMA Permit	Yes	Yes	No	No	No	No	No	No	Fungicide
mancozeb + liquid hydrocarbons	Unizeb OC	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide
mancozeb plus petroleum oil	Penncozeb 420 SC	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide

Chemical trade name handy guide for subtropical banana pests and diseases (cont)

Chemical	Trade name	Qld	NSW	Vic	SA	WA	NT	Tas	ACT	Chemical type
mancozeb	Penncozeb 750 DF, Mancozeb WDG, Manzate DF, Mancozeb 750DF, Penncozeb 750 DF, Mancozeb DF, Dithane Rainshield, Kencozeb 750 DF, Mancozeb DG, Dithane DF, Mancozeb 800, Mancozeb 800 WP, Mancozeb, Dithane M-45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fungicide
omethoate	Folimat 800	Yes	Yes	No	No	No	No	No	No	Insecticide
oxamyl	Vydate L	Yes	Yes	No	No	No	No	No	No	Nematicide, Insecticide
paraffin oil	Biopest Paraffin Oil, Enspray 99	Yes	Yes	No	No	Yes	No	No	Yes	Insecticide, spray adjuvant
petroleum oil	Miscible Banana Misting Oil, Sunspray Narrow, Minder Spray Oil Universal, Summer Oil, D-C-Tron Plus, Sacoa Summer, Summer Spray Oil	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide, Fungicide, Spreader
prochloraz	Protak 450 EC, Sportak	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide
propargite	Omite 300W	Yes	Yes	No	No	Yes	No	No	Yes	Insecticide
propiconazole	APVMA Permit	Yes	No	No	No	No	No	No	No	Fungicide
propiconazole	Tyrant, Aurora 250 EC, Bumper 250 EC, Tilt 250 EC, Prestige, Propiconazole 250, Slipstream 250 EC	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide
prothiofos	APVMA Permit	No	Yes	No	No	No	No	No	No	Insecticide
prothiofos	Tokuthion	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide
pyraclostrobin	Cabrio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fungicide
rotenone	APVMA Permit	Yes	Yes	No	No	Yes	Yes	No	No	Insecticide
sulfur	APVMA Permit	Yes	Yes	No	No	No	No	No	No	Fungicide
tebuconazole	Quasar 430 SC, Follicur 430 SC, Tebuconazole 430SC, Stingray	Yes	Yes	No	No	Yes	Yes	No	No	Fungicide
terbufos	Counter B 150G, Hunter 150G, Counter 150G	Yes	Yes	No	No	Yes	No	No	No	Insecticide, Nematicide
thiabendazole	Tecto Flowable SC	Yes	Yes	No	No	Yes	No	No	No	Fungicide
zineb	Zineb	Yes	Yes	No	No	Yes	No	No	No	Fungicide