

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 We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research: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- Financial information—costs and returns listed in this publication are out of date.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

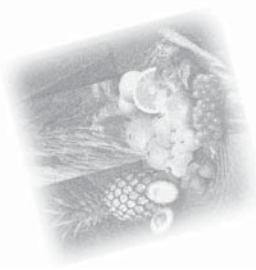
**This publication was last revised in 1997. The information is not current and the accuracy of the information cannot be guaranteed by the State of Queensland.**

This information has been made available to assist users to identify issues involved in potato 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



# Crop Production

## HANDY GUIDE

for Potatoes planted in June



Handy Guide 1

	Pre-plant	Planting to just before tuber initiation (Stage 1)	Tuber initiation through bulking up (Stages 2 and 3)	Tuber maturation (Stage 4)	After harvest
<b>Time:</b> from planting for each stage		0 to 7 weeks 5 to 9 weeks	7 to 16 weeks 7 to 8 weeks	16 to 18 weeks 2 to 3 weeks	
<b>Weed control</b>	Do not allow weeds to seed.	Control weeds, cultivate and/or apply herbicide. Stop all cultivation when tubers start to set.	Use post-emergent herbicide if weeds are still a problem.	Weed control is not necessary.	Do not allow weeds to seed.
<b>Pest and disease control</b>	Ensure all crop residue has broken down.	Control cutworm, and aphids. Apply treatments for common scab, wireworms and Rhizoctonia black scurf where serious problems have occurred previously. Spray for target spot every 7 to 10 days during prolonged wet weather. Use chemicals selected from <i>Problem Solver Handy Guide</i> .	Monitor for aphids, potato tuber moth and Sclerotinia rot. Spray when monitoring indicates a need. Spray every 7 to 10 days for leaf diseases. Use the shorter interval during wet weather. Use chemicals selected from <i>Problem Solver Handy Guide</i> .	Control potato tuber moth. Irrigate to prevent cracks developing in the soil.	Cultivate in crop residue.
<b>Plant nutrition</b>	Apply lime or dolomite (if required) and pre-plant fertiliser as indicated by soil analysis.	Apply side dressings. Broadcast, drill or inject through irrigation.	Monitor plant nutrient levels at early flowering. Apply side dressings as indicated by leaf analysis.		
<b>Watering</b>		Install solid set irrigation system. Install tensiometers in pairs, at depths of 20 and 60 cm, one pair per 5 ha. Irrigate at a reading of 30 to 40 centibars.	<b>Good water management is critical through this period.</b> Irrigate when tensiometers read 30 to 40 centibars.	Apply 15 to 30 mm water to prevent soil cracking.	



# 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	
	per 100 L water	per ha
<b>acephate:</b> Orihene	66 g	660 g
<b>azinphos-ethyl:</b> Gusathion	100 mL	1.1 L
<b>benomyl:</b> Benlate	100 g	1.1 kg
<b>chlorfenvinphos:</b> Birlane	50 mL	550 mL
<b>carbaryl:</b> Carbene, Bugmaster Carbaryl 800 WP	200 mL	2.2 mL 1.4 kg
<b>chlorothalonil:</b> Bravo 500 Bravo 720 Bravo W750 Chlorothalonil, Crotop, Fung-o-nil, Rover		1.6 – 2.6 L 1.1 – 1.8 L 1.1 – 1.7 kg 1.6 – 2.6 L
<b>chlorothalonil + cyproconazole:</b> Bravo Plus		1.6 – 2.5 L
<b>chlorpyrifos (bait):</b> Lorsban, Chlorpyrifos, Pirifoz	100 mL + 10 kg bran	per ha
<b>chlorpyrifos (spray):</b> Lorsban, Chlorpyrifos, Pirifoz, Chlorfos, Strike-Out, Pyrinex	70 mL	700 mL
<b>copper hydroxide:</b> Spectrum, Blue Shield, Kocide	200 g	2.2 kg
<b>copper oxychloride:</b> Cuprox, Brycop, Curit, Coppurite, Copper, Coppox, Oxydul	500 g	5 kg
<b>copper oxychloride + zineb:</b> Copper Curit, Copperneb	350 g	
<b>demeton-s-methyl:</b> Metasystox	100 mL	1.1 L
<b>difenoconazole:</b> Score		300 – 500 mL
<b>dimethoate:</b> Gomite, Perfekthion, Rogor, Saboteur, Dimethoate, Diostop, Roxion	75 mL	750 – 800 mL
<b>disulfoton:</b> Disysion	3 – 6 g/m of row	or 28 kg/ha
<b>endosulfan:</b> Endosan, Endosulfan, Thiodan		2.1 L
<b>fenamiphos:</b> Nemaicur 400	110 mL / 100 m of row	or 13 L/ha
<b>imidacloprid:</b> Confidor		170 mL
<b>iprodione (seed treatment):</b> Rovral Aquaflo Rovral liquid	400 mL / tonne 800 mL / tonne	
<b>iprodione (spray):</b> Rovral Aquaflo Rovral liquid	50 – 100 mL 100 – 200 mL	500 mL – 1 L 1 – 2 L
<b>lambda-cyhalothrin:</b> Karate		120 – 180 mL



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Active ingredient: trade names	Product rate	
	per 100 L water	per ha
<b>mancozeb (dust):</b> Tatodust	2 – 4 kg	/ tonne
<b>mancozeb (spray):</b> Mancozeb, Dithane, Manzate, Penncozebe, Bryzeb	150 – 200 g	1.7 – 2.2 kg 2 – 3 kg (air)
<b>mancozeb + metalaxyl:</b> Ridomil MZ	250 g	2.5 kg
<b>methamidophos:</b> Monitor, Nitofol	50 – 65 mL	550 – 700 mL
<b>methidathion:</b> Supracide, Suprathion	125 mL	1 – 1.4 L
<b>methomyl:</b> Lannate, Marlin, Methomex, Nudrin		1.5 – 2 L
<b>metiram:</b> Polyram	150 – 200 g	
<b>mevinphos:</b> Phosdrin	65 mL	350 mL
<b>monocrotophos:</b> Azodrin, Cronofos		1 L
<b>parathion-methyl:</b> Folidol, Methyl Parathion, Parathion-Methyl	65 mL	700 mL
<b>penycuron:</b> Monceren 125 DS Monceren 250 FS	200 g / 100 kg seed 60 mL / 100 kg seed	
<b>permethrin (spray):</b> Ambush, Permasect, Pounce	15 – 20 mL	150 – 200 mL
<b>permethrin (seed treatment):</b> Target Dust Treatment	600 g	/ tonne
<b>phorate:</b> Thimet		17 – 29 kg
<b>pirimicarb:</b> Pirimor	250 – 500 g	0.5 – 1 kg
<b>procymidone:</b> Sumislex Flocol Sumislex WP		1 L 500 g – 1 kg
<b>propineb:</b> Antracol	200 g	2 kg
<b>quintozene:</b> Chloroturf, Terraclor, Uniroyal		33 – 44 kg
<b>rotenone (seed treatment):</b> Derris Dust	375 g	/ bag
<b>tolclofos-methyl (seed treatment):</b> Rizolex	2 kg	/ tonne
<b>trichlorfon:</b> Dipterex	95 mL	
<b>vamidothion:</b> Kilval		1 L
<b>vinclozolin:</b> Ronilan Ronilan 500 FL	75 – 100 g 75 – 100 mL	
<b>zineb:</b> Curit, Cyneb, Zineb	175 g	1.7 kg