

Lettuce 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

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 We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research: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- Financial information—costs and returns listed in this publication are out of date.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

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		Chemical type – action	Chemical group
	per 100 L water	per ha		
benomyl: Benlate	50 – 100 g		F – E	Benz
carbaryl: Carbaryl	125 – 130 g	1.4 kg	I	Carb
Bugmaster Flowable, Flowable Carbaryl	160 – 320 mL	1.8 – 2.2 L		
chlorpyrifos (bait): Chlorfos, Chlorpyrifos, Cyren, Iban, Lorsban, Pirifoz	100 mL/10 kg bran		I	OP
chlorpyrifos (spray): Chlorpyrifos, Lorsban, Pirifoz, Pyrinex, Strike-out	70 mL	700 mL	I	OP
copper hydroxide: Blue Shield, Coppit-oh, Kocide	200 g	2.2 kg (broadcast)	F – P	Inorg
copper oxychloride: Coppox, Vincop Copper Oxychloride	250 – 400 g	2.2 kg	F – P	Inorg
diazinon: Diazinon, Gesapon		700 mL – 1.4 L	I	OP
dicloran: Diclosan	100 g		F – P	CNB
dimethoate: Danadim, Dimethoate, Perfekthion, Rogor, Roxion, Saboteur	75 mL	750 – 800 mL	I	OP
dimethomorph + mancozeb: Acrobat MZ		2 kg	F – E/P	CAD + DC
endosulfan: Bar, Endosulfan, Thiodan	190 mL	2.1 L	I	OC
fenamiphos: Nemacur 400	16 mL/10 m of row (banded)	24 L	N	OP
fenitrothion: Fenitrothion		325 – 500 mL	I	OP
iprodione: Rovral Liquid, Rovral Aquaflo, Rovral Fungicide	200 mL 100 mL 100 g	2 L 1 kg	F – E/P	Dicarb
mancozeb: Bryzeb, Dithane, Mancozeb, Manzate, Penncozeb	150 – 200 g	1.7 – 2.2 kg	F – P	DC
mancozeb + metalaxyl: Ridomil MZ	250 g	2.5 kg	F – P/E	DC + Acyla
mancozeb + oxadixyl: Recoil	250 g	2.5 kg	F – P/E	DC + Oxaz



Active ingredient: trade names	Product rate		Chemical type – action	Chemical group
	per 100 L water	per ha		
metalaxyl: (off label use)	2.5 g/10 L potting mix		F – E	Acyla
methidathion: Supracide, Suprathion	100 – 125 mL		I	OP
methiocarb: Mesuro, snail and slug bait		5.5 – 22 kg	S	Carb
methomyl: Lannate, Marlin, Methomex, Nudrin, Electra	100 – 200 mL	1 – 2 L	I	Carb
metiram: Polyram	200 g	2.2 kg	F – P	DC
oxadixyl + propineb: Fruvit	250 g	2.5 kg	F – E/P	Oxaz + DC
parathion: Novafos	20 – 25 mL		I	OP
permethrin 40:60: Ambush, Zeeper	10 – 20 mL		I	SP
permethrin 40:60 + petroleum oil: Bug and insect killer	400 – 800 mL		I	SP
pirimicarb: Pirimor	100 – 200 g	500 g – 1 kg	I	Carb
procymidone: Sumisclex	75 – 100 mL 200 mL (surface) 50 mL/10 L (drench)		F – E	Dicarb
quintozene: Chloroturf, Terraclor	100 – 150 g/20 m ²		F	Chloro
thiometon: Ekatin	75 – 100 mL		I	OP
thiram: Thiram, Thiragranz	150 – 200 g		F	DC
trichlorfon: Dipterex, Lepidex	95 – 100 mL	900 mL	I	OP

Type

F – fungicide
I – insecticide
N – nematocide
S – snail killer

Action

E – eradicant
P – protectant

Chemical group

Acyla – acylamine
Benz – benzimidazole
CAD – cinnamic acid derivative
Carb – carbamate
Chloro – chlorophenyl
CNB – chloronitrobenzene
DC – dthiocarbamate
Dicarb – dicarboximide
Inorg – inorganic
OC – organochlorine
OP – organophosphate
Oxaz – oxazolidinone
SP – synthetic pyrethroid

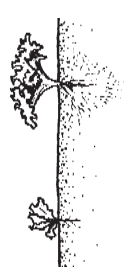
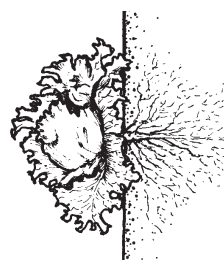
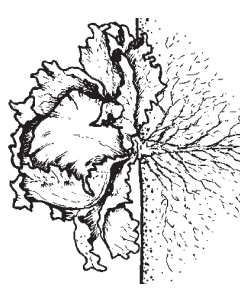
Crop Production

HANDY GUIDE

for lettuce



Handy Guide 2

	Pre-plant up to 3 months before planting	Transplanting to establishment	Establishment to early hearting	Early hearting to harvest	After harvest
Time from transplanting					
Time for each stage		10 – 14 days up to 14 days	17 – 28 days 7 – 14 days	38 – 56 days 21 – 28 days	
Management objective	Well prepared ground.	Maximise crop stand.	Build frame to ensure good head size.	Fill out heads.	Farm hygiene.
Weed control	Ensure weed-free seedbed. Apply pre-emergent herbicide. Do soil analysis and plan fertiliser program.	Minimise soil disturbance if herbicides were applied.	Spot hand chip as required. Interraw cultivate if large numbers of weeds have established.	Spot hand chip if required.	Do not let weeds go to seed.
Fertilising	Adjust pH. Apply manures. Incorporate cover crop. Apply basal fertiliser 1 to 2 weeks before planting. Ensure all residues have broken down.	Apply first side dressing.	Apply additional side dressings of nitrogen as required. Apply additional side dressings of potassium if required.		
Irrigation		Apply light irrigations to establish transplants.	Avoid stressing plants through lack of water. Irrigate according to scheduling results.		
Crop protection	Control weeds on the farm.	Control cutworms and check for snails and slugs. Check for heliothis, aphids and other pests and spray as required. Control sowthistle to minimise spread of lettuce necrotic virus. Spray protectant fungicides to control diseases, depending on the weather.			Plough crop in as soon as harvesting is completed.