

Cotton Disease Control Guide

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Registration of a pesticide is not a recommendation for the use of a specific pesticide in a particular situation. Growers must satisfy themselves that the pesticide they choose is the best one for the crop and disease. Growers and users must also carefully study the container label before using any pesticide, so that specific instructions relating to the rate, timing, application and safety are noted. This publication is presented as a guide to assist growers in planning their pesticide programs.

If there is any omission from the list of chemicals, please notify the authors.

IMPORTANT – avoid spray drift

Take every precaution to minimise the risk of causing or suffering spray drift damage by:

- Planning your crop layout to avoid sensitive areas, including homes, school bus stops, waterways, grazing land and non-target crops.

- Ensuring that all spray contractors have details of any sensitive areas near spray targets.
- Carefully following all label directions.
- Consulting with neighbours to minimise risks from spraying near property boundaries. Keep neighbours informed of your spraying intentions

Spray Log Books

To assist in record keeping for pesticide applications, Spray Log Books can be purchased from:

- **DAFF Qld, cost \$7.50 each plus postage and handling.**
Toowoomba – 07 4688 1200 or Dalby – 07 4669 0800 to place an order.
- **NSW DPI, cost \$12.00 each plus postage and handling.**
Yanco – 1800 138 351.

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ABBREVIATIONS USED IN TABLES 35–36

EC = Emulsifiable concentrate	WD = Water dispersible granule
FC = Flowable concentrate	DF = Dry flowable
SC = Suspension concentrate	SL = Soluble concentrate

TABLE 35: Control of cotton diseases

Active ingredient	Fungicide chemical group	Concentration and formulation	Application rate of product	Comments
Alternaria leaf spot				
mancozeb	Y	750 g/kg WG	2.5 kg/ha	Pima varieties only. Do not apply before flowering. Begin applications as soon as disease symptoms appear and before each infection period. DO NOT apply more than 4 sprays per season.
Rhizoctonia solani (Damping off)				
tolclofos-methyl	X	500 g/L SC	0.12 L/ha or 0.12 L/10km row	QLD and NSW only. Apply as an in-furrow spray or by water injection at time of planting.
		100g/L	40g/kg of seed	Put with seed immediately before planting
Pythium spp. and Phytophthora spp. (Damping off)				
metalaxyl-m	D	350 g/L EC	85g/100 kg seed	Commercial application recommended. Apply as a dust or slurry before sowing.
Rhizoctonia solani and Pythium spp.				
azoxystrobin +	K	75 g/L FC	0.2 L/100 kg seed	Commercial application recommended. This seed treatment should be used as part of an integrated strategy to control seedling disease.
metalaxyl-m +	D	37.5 g/L FC		
fludioxonil	L	12.5 g/L FC		
Fusarium Wilt and Black Root Rot				
acibenzolar-s-methyl		500 g/L FC	1.2 mL/100 kg seed	Seed treatment for suppression of Fusarium wilt and Black root rot.
Fusarium Wilt				
metalaxyl-m	D	350 g/L	0.043 L/100 kg seed	For Fusarium wilt disinfection. Commercial application recommended.

TABLE 36: Fungicide trade names and marketers

Active ingredient	Concentration and formulation	Trade name	Marketed by
acibenzolar-s-methyl	500 g/L FC	Bion Plant Activator	Syngenta
azoxystrobin + metalaxyl-m + fludioxonil	12.5 g/L FC + 37.5 g/L FC + 75 g/L FC (seed treatment)	Dynasty	Syngenta
mancozeb	750 g/kg DF, WG	multiple	multiple
tolclofos-methyl	100 g/kg	Rizolex	Sumitomo Chemical
	500 g/L SL	Rizolex liquid	Sumitomo Chemical
	500 g/L SL	Tolex	Genfarm Landmark

**This document is part of a larger publication -
The Cotton Pest Management Guide for Cotton 2014 - 15**

The complete document can be found on the CRDC or myBMP web sites during the 2014-15 Australian cotton season

www.crdc.com.au

or

www.mybmp.com.au

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