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## Whiteflies in Arizona: Pocket Guide '96

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This guide is provided as a quick and convenient reference for whitefly control. It presents performance results in summary tables for those insecticides which have been tested in Arizona since 1991. The guide can also help in the adherence to the currently recommended integrated resistance management (IRM) plan for whiteflies in Arizona. This plan, jointly developed by industry, USDA, and University scientists, places all chemical use for whiteflies in three stages. The first stage, not shown here, involves the use of two insect growth regulators in succession during the beginning of the infestation (see IPM No. 3, 4 & 6). Stage II and III should be used only after 5 adults per leaf have been reached (see IPM No. 2). No active ingredient should be used more than twice, and pyrethroids as a class should not be used until late in the season and only after using Stage I and II options.

## Stage II: Whitefly Control with Non-Pyrethroids

- 1/ Eggs, Nymphs, and Adults
- 2/ Start earlier in the population
  - development to achieve better control
- = No data available for ranking

Single Compounds	Spuid			SPWF Stages	► ENA¹
		Cyclodiene		endosulfan (0.75)	0 0
◆ Compound Mixtures	Mixtures	Nicotinyl <sup>2</sup>		Provado (0.044)	0
Class of	Class of Chemistry	Organopł	osphates	Organophosphates Diamidide	
	Compound ▶ Rate (lbs a.i. / A) ▶ SPWF Stages ▶	Bolstar (0.75) E N A	Curacron (0.75) E N A	Ovasyn (0.25) E N A	endosulfan (0.75) E N A
	Lorsban (0.50)			I	• • •
Organo-	Metasystox-R (0.50)	Not recomi	Not recommended for	I	•
Phosphates	Orthene (0.75)	resistance n	resistance management	I	• 0 0
	PenncapM (0.50)			• • 0	0 •
Carbamates	Vydate (0.50)	0 0 0	0 • •	• • •	0 • 0
Cyclodiene	endosulfan (0.75)	-	I	•	

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## Stage III: Whitefly Control with Pyrethroids Ratings of Insecticide Performance

		, -			,			,				/
	Mustang (0.05) E N A	l	000	I	I	•	l	I	D D D	0	l	
Synthetic Pyrethroids	Karate (0.04) E N A	• • •	0 • 0	1	_		• • •	_	• •	• • •	000	
	Danitol (0.20) E N A	• • •	•	•	•	•	• • •	• • •	• • •	• • •	-	
ynthetic I	Capture (0.08) E N A	-	• • •	•	_	•	-	• • •	• 0 •	• • •	• • •	
S	Baythroid (0.04) E N A	I	1	1	• • •	•	• • •	1	000	I	I	
	Asana (0.05) E N A	•	000	ı	ı	•	0 0 0	0	000	0	0 • 0	
Class of Chemistry	Compound ► Rate (lbs a.i. / A) ► SPWF Stages ►	Curacron (0.50)	Lorsban (0.50)	Metasystox-R (0.50)	Monitor (0.50)	Orthene (0.50)	PenncapM (0.50)	Lannate (0.50)	Vydate (0.50)	endosulfan (0.75)	Ovasyn (0.25)	
Clas				yano- phates					amates	odiene	nidide	