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Whiteflies in Arizona: Pocket Guide

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Stage I: Whitefly Control with Non-Pyrethroids

(1 - 5 adults per leaf)

Single Compounds	SPWF Stages	E	N	A[1]
Cyclodiene[2]	endosulfan (0.75)[3]	◒	○	●[5]
Nicotinyl[2]	Provado (0.044)	◒	◒	◒[5]

Compound Mixtures	Class of Chemistry	Compound / Rate (lbs a.i. / A) / SPWF Stages	*Organophosphates* Bolstar (0.75) E	N	A[1]	Curacron (0.75) E	N	A	*Diamidide* Ovasyn (0.25) E	N	A	endosulfan (0.75) E	N	A
Organo-Phosphates		Orthene (0.75)[3]				*Not recommended for resistance management*						○	○	◒
		PenncapM (0.50)							○	●	●[5]			
Carbamates		Vydate (0.50)	◒	○	○[5]	◒	◒	○	○	○	○	○	◒	○
Cyclodiene		endosulfan (0.75)							●	●	●			

1/ Eggs, Nymphs, and Adults,
2/ Start earlier in the population development to achieve better control,
3/ Number of lbs. of active ingredient per acre,
4/ Higher rates may be required to accomplish this level of control,
5/ Some results are inconsistent by test location or evaluation date,
6/ Orthene is bioactivated to the same active ingredient as Monitor.

= No data available for ranking
= pyrethroid + organophosphate
= pyrethroid + carbamate
= pyrethroid + cyclodiene
= pyrethroid + diamidide
= non-pyrethroids

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Stage II: Whitefly Control with Pyrethroids

(>5 adults per leaf)

Ratings of Insecticide Performance

● = Excellent; ◒ = Good; ○ = Fair; ◗ = Weak

Class of Chemistry	Compound / Rate (lbs a.i. / A) / SPWF Stages	*Synthetic Pyrethroids* Asana (0.05) E	N	A[1]	Baythroid (0.04) E	N	A	Capture (0.06) E	N	A	Danitol (0.20) E	N	A	Karate (0.04) E	N	A	Mustang (0.05) E	N	A
Organo-Phosphates	Curacron (0.50)[3]	◒	●								●[4.5]	●[4]	●[4]						
	Lorsban (0.50)	○	○	○				◒[4]	◒[4]	●[4]	●	●	●	○	◒[4]	○	○	○	○
	Monitor (0.50)[6]				◒[4]	◒[4]	●[5]					●							
	Orthene (0.50)	◒	◒	●	◒	◒	●	●	●	●	●	●	●	●[4]	●[4]	●	●[5]	●[5]	●[5]
	PenncapM (0.50)	○	◒	◒	○	◒	●[5]				◒	●	●	◒	◒	●			
Carbamates	Lannate (0.50)	◒	◒	●				◒	◒	●[5]	●	●	●						
	Vydate (0.50)	○	○	○[5]	▷	▷	○[5]	◒	○	○[5]	●	●[5]	●	●	○	◒	▷	▷	▷
Cyclodiene	endosulfan (0.75)	◒	○	●[5]				●	●[4.5]	●[4.5]	●	◒	●	●	◒	●	●[5]	●[5]	◒
Diamidide	Ovasyn (0.25)	○	◒	○				◒	○	◒[4]				○	○	○			