

Table 10b

Arizona Conventional

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	4,136	0	0	0.00	\$0.00	1.329%	220
Beet Armyworm	4,126	0	0	0.00	\$0.00	0.995%	164
Fall Armyworm	2,911	0	0	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	5	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	2,911	0	0	0.00	\$0.00	0.000%	0
Lygus	4,146	2,921	1	0.70	\$17.25	1.333%	220
Stink Bugs	2,923	0	0	0.00	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	0	0	0	0.00	\$0.00	0.000%	0
Thrips	4,148	4,124	1	1.37	\$15.72	0.333%	55
Aphids	24	2	1	0.00	\$0.01	0.000%	0
Grasshoppers	0	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	4,124	2,911	1	0.70	\$28.07	0.331%	55
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	2,911	2,426	0	0.18	\$0.88	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				2.95	\$61.93	4.322%	714

Yield & Management Results

Total Acres	4,148
Total bales Harvested	11,836
yield (lbs/acre)	1,370
Total bales Lost to Insects	714
Percent Yield Loss	4.32%
Yield w/o Insects (lbs/ac)	1,432
Ave. # Spray Applications	2.95
Bales lost all factors	4,681
% yield loss all factors	28.34%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$256,883	\$61.93
At Planting Costs	\$36,386	\$8.77
In-furrow costs	\$0	\$0.00
Scouting costs	\$82,717	\$19.94
Eradication costs	\$27,709	\$6.68
Transgenic cotton	\$0	\$0.00
Total Costs	\$403,695	\$97.32
Yield Lost to insects	\$215,860	\$52.04
Total Losses + Costs	\$619,555	\$149.36