

Table 10

Arizona Summary

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	6,264	0	0	0.00	\$0.00	0.004%	20
Beet Armyworm	8,065	0	0	0.00	\$0.00	0.003%	13
Fall Armyworm	7,382	0	0	0.00	\$0.00	0.000%	0
Loopers	5,730	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	5,885	982	1	0.01	\$0.17	0.014%	68
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	58,253	3,274	1	0.02	\$0.09	0.006%	32
Lygus	108,779	72,164	1	0.84	\$18.27	2.461%	12,362
Stink Bugs	20,407	819	1	0.01	\$0.16	0.005%	23
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	36,025	1,090	1	0.01	\$0.08	0.032%	159
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	2,456	0	0	0.00	\$0.00	0.000%	0
Spider Mites	18,804	4,330	1	0.04	\$0.92	0.054%	270
Thrips	115,509	16,343	1	0.14	\$1.56	0.051%	254
Aphids	5,456	1,967	1	0.02	\$0.27	0.014%	71
Grasshoppers	696	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	10,284	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	80,613	42,913	1	0.46	\$13.09	1.094%	5,494
Darkling Beetle	2,906	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	13,733	3,244	1	0.03	\$0.40	0.016%	79
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	982	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				1.57	\$35.01	3.813%	18,845

Yield & Management Results	
Total Acres	115,509
Total bales Harvested	395,434
yield (lbs/acre)	1,643
Total bales Lost to Insects	18,845
Percent Yield Loss	3.81%
Yield w/o Insects (lbs/ac)	1,708
Ave. # Spray Applications	1.57
Bales lost all factors	106,917
% yield loss all factors	21.28%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$4,043,751	\$35.01	
At Planting Costs	\$259,104	\$2.24	
In-furrow costs	\$10,014	\$0.09	
Scouting costs	\$1,406,999	\$12.18	
Eradication costs	\$771,600	\$6.68	
Transgenic cotton	\$3,220,862	\$27.88	
Total Costs	\$9,712,331	\$84.08	
Yield Lost to insects	\$5,698,795	\$49.34	
Total Losses + Costs	\$15,411,126	\$133.42	
PBW Erad	\$5.46	BW Erad	\$1.22