

Table 10c

Arizona Pima

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	5,575	4,256	2	0.50	\$10.57	0.227%	108
Beet Armyworm	2,599	324	1	0.02	\$0.31	0.016%	8
Fall Armyworm	507	0	0	0.00	\$0.00	0.000%	0
Loopers	1,216	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	1,673	304	1	0.02	\$0.41	0.424%	202
Saltmarsh Caterpillar	1,520	122	0	0.00	\$0.05	0.005%	2
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	5,979	0	0	0.00	\$0.00	0.000%	0
Lygus	7,196	6,891	1	0.70	\$12.30	2.155%	1,027
Stink Bugs	1	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	2,029	0	0	0.00	\$0.00	0.012%	6
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	1,824	0	0	0.00	\$0.00	0.000%	0
Thrips	13,378	0	0	0.00	\$0.00	0.000%	0
Aphids	1,218	1,216	1	0.09	\$1.73	0.102%	49
Grasshoppers	1,216	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	4,155	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	6,283	5,979	1	0.58	\$13.19	0.079%	37
Darkling Beetle	1,419	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	1,723	0	0	0.00	\$0.00	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
				1.91	\$38.56	3.02%	1,438

Yield & Management Results	
Total Acres	13,378
Total bales Harvested	34,341
yield (lbs/acre)	1,232
Total bales Lost to Insects	1,438
Percent Yield Loss	3.02%
Yield w/o Insects (lbs/ac)	1,271
Ave. # Spray Applications	1.91
Bales lost all factors	13,283
% yield loss all factors	27.89%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$515,860	\$38.56	
At Planting Costs	\$2,027	\$0.15	
In-furrow costs	\$18,240	\$1.36	
Scouting costs	\$111,890	\$8.36	
Eradication costs	\$89,365	\$6.68	
Transgenic cotton	\$0	\$0.00	
Total Costs	\$737,382	\$55.12	
Yield Lost to insects	\$690,409	\$51.61	
Total Losses + Costs	\$1,427,790	\$106.73	
PBW Erad	\$5.46	BW Erad	\$1.22