

Table 10a

Arizona Bt

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	2,506	0	0.0	0.00	\$0.00	0.001%	4
Beet Armyworm	6,127	0	0.0	0.00	\$0.00	0.000%	0
Fall Armyworm	2,248	0	0.0	0.00	\$0.00	0.000%	0
Loopers	3,853	0	0.0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	352	0	0.0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	2,446	86	1.0	0.00	\$0.02	0.000%	0
Verde Plant Bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	24,072	1,081	1.0	0.01	\$0.22	0.025%	85
Lygus	82,008	68,946	1.5	1.21	\$27.17	2.686%	8,931
Stink Bugs	20,124	1,751	0.6	0.01	\$0.17	0.036%	121
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Brown Stink bug	25,694	1,837	1.7	0.04	\$0.72	0.187%	620
Bagrada Bugs	2,248	0	0.0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Spider Mites	22,081	7,466	1.1	0.09	\$1.74	0.108%	360
Thrips	85,818	3,827	0.8	0.03	\$0.51	0.050%	166
Aphids	14,108	635	1.0	0.01	\$0.11	0.028%	93
Grasshoppers	8,479	0	0.0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	6,325	0	0.0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	67,762	35,280	1.3	0.52	\$15.68	0.442%	1,470
Darkling Beetle	0	0	0.0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	14,143	1,768	0.5	0.01	\$0.14	0.003%	10
Mealybugs	30,963	3,553	1.0	0.04	\$0.47	0.015%	51
Crickets	4,548	0	0.0	0.00	\$0.00	0.004%	13
Boll Weevils	0	0	0.0	0.00	\$0.00	0.000%	0
				1.97	\$46.96	3.586%	11,924

Yield & Management Results	
Total Acres	85,818
Total bales Harvested	287,312
yield (lbs/acre)	1,607
Total bales Lost to Insects	11,924
Percent Yield Loss	3.59%
Yield w/o Insects (lbs/ac)	1,667
Ave. # Spray Applications	1.97
Bales lost all factors	45,172
% yield loss all factors	13.59%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$4,029,675	\$46.96
At Planting Costs		\$144,775	\$1.69
In-furrow costs		\$14,547	\$0.17
Scouting costs		\$1,079,446	\$12.58
Eradication costs		\$576,697	\$6.72
Transgenic cotton		\$2,589,129	\$30.17
Total Costs		\$8,434,269	\$98.28
Yield Lost to insects		\$3,662,915	\$42.68
Total Losses + Costs		\$12,097,184	\$140.96