

Table 10a

Arizona Bt

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Bollworm/Budworm	2,128	0	0.0	0.00	\$0.00	0.001%	3
Beet Armyworm	3,939	0	0.0	0.00	\$0.00	0.000%	0
Fall Armyworm	4,471	0	0.0	0.00	\$0.00	0.000%	0
Loopers	5,730	0	0.0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	0	0	0.0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	5,885	982	1.0	0.01	\$0.19	0.015%	71
Verde Plant Bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	55,342	3,274	0.8	0.02	\$0.10	0.007%	32
Lygus	104,633	69,243	1.4	0.85	\$18.27	2.500%	12,143
Stink Bugs	17,484	819	1.0	0.01	\$0.18	0.004%	21
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Brown Stink bug	36,025	1,090	1.0	0.01	\$0.09	0.034%	165
Bagrada Bugs	0	0	0.0	0.00	\$0.00	0.000%	0
Leaf footed bugs	2,456	0	0.0	0.00	\$0.00	0.000%	0
Spider Mites	18,804	4,330	1.1	0.04	\$1.03	0.058%	281
Thrips	111,361	12,219	1.0	0.11	\$1.19	0.040%	194
Aphids	5,432	1,965	1.0	0.02	\$0.28	0.015%	73
Grasshoppers	696	0	0.0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	10,284	0	0.0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	76,489	40,003	1.2	0.45	\$12.56	1.108%	5,381
Darkling Beetle	2,906	0	0.0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	10,822	819	1.0	0.01	\$0.11	0.013%	65
Mealybugs	0	0	0.0	0.00	\$0.00	0.000%	0
Crickets	982	0	0.0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0.0	0.00	\$0.00	0.000%	0
				1.52	\$33.99	3.794%	18,428

**Yield & Management Results**

Total Acres	111,361
Total bales Harvested	383,598
yield (lbs/acre)	1,653
Total bales Lost to Insects	18,428
Percent Yield Loss	3.79%
Yield w/o Insects (lbs/ac)	1,719
Ave. # Spray Applications	1.52
Bales lost all factors	102,095
% yield loss all factors	21.02%

**Economic Results**

	Total	Per Acre
<b>Foliar Insecticides Costs</b>	\$3,784,769	\$33.99
<b>At Planting Costs</b>	\$216,574	\$1.94
<b>In-furrow costs</b>	\$10,387	\$0.09
<b>Scouting costs</b>	\$1,325,605	\$11.90
<b>Eradication costs</b>	\$743,891	\$6.68
<b>Transgenic cotton</b>	\$3,340,833	\$30.00
<b>Total Costs</b>	\$9,422,060	\$84.61
<b>Yield Lost to insects</b>	\$5,572,481	\$50.04
<b>Total Losses + Costs</b>	\$14,994,541	\$134.65