

Table 10A

Arizona Bt

Cotton Insect Losses 2012

Pest	Acres Infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	11,834	0	0.0	0.00	\$0.00	0.00%	24
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	117,128	10,484	0.5	0.03	\$0.17	0.04%	321
Lygus	182,577	129,157	1.9	1.28	\$26.89	2.28%	18,574
Cotton Leaf Perforator	11,149	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	83,327	26,778	1.2	0.16	\$2.97	0.18%	1,476
Thrips	180,738	20,714	0.7	0.07	\$0.85	0.17%	1,404
Beet Armyworm	19,150	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	8,254	0	0.0	0.00	\$0.00	0.00%	0
****Brown Stink Bug****	107,993	60,461	1.8	0.55	\$9.61	0.75%	6,147
****OTHER Stink Bugs****	29,830	3,227	0.8	0.01	\$0.21	0.04%	338
Grasshoppers	29,438	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	5,007	0	0.0	0.00	\$0.00	0.00%	0
Aphids	33,859	7,257	0.9	0.03	\$0.54	0.03%	204
Banded Winged Whitefly	54,339	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	162,195	131,915	1.8	1.24	\$34.11	0.73%	5,963
Loopers	7,805	0	0.0	0.00	\$0.00	0.00%	0
Pollenators (seed breeding)	21,301	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Darkling Beetles	20,851	841	1.0	0.00	\$0.05	0.00%	0
Bagrada bug	274	0	0.0	0.00	\$0.00	0.00%	0
****Citrus thrips****	743	176	1.0	0.00	\$0.01	0.00%	0
Mealy bugs	587	0	0.0	0.00	\$0.00	0.00%	0
Pale-sided Flea Beetles	61,322	3,834	0.3	0.01	\$0.07	0.01%	63
				3.39	\$75.49	4.23%	34,512

Yield & Management Results

Total Acres	195,604
Total bales Harvested	635,713
Yield (lbs/acre)	1,560
Total bales Lost to Insects	34,512
Percent Yield Loss	4.23%
Yield w/o Insects (lbs/ac)	1,629
Ave. # Spray Applications	3.39
yield loss to all factors	179,345
% yield loss all factors	22.0%

BWErad \$1.22

PBWErad \$5.49

All data in this Table are preliminary

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$14,765,431	\$75.49
At Planting Costs	\$573,804	\$2.93
In-furrow costs	\$121,990	\$0.62
Scouting costs	\$2,275,650	\$11.63
Eradication costs	\$1,312,503	\$6.71
Transgenic cotton	\$6,026,524	\$30.81
Total Costs	\$25,075,902	\$128.20
Yield Lost to insects	\$12,424,257	\$63.52
Total Losses + Costs	\$37,500,159	\$191.71

Official Arizona Losses may be seen on the Arizona WEB <http://cals.arizona.edu/crops/insects/cil/cil.html>