

Table 9a Arizona Bt Cotton Insect Losses 2006

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	25,751	0	0.000	N/A	\$0.00	0.000	0
Pink Bollworm	17,167	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	77,252	3,433	0.015	\$10.33	0.15	0.027	185
Lygus	103,002	42,918	0.249	\$17.50	\$4.37	0.838	5,768
Cotton Leaf Perforator	6,867	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	34,334	8,584	0.050	\$21.66	\$1.08	0.064	438
Thrips	170,677	17,167	0.100	\$10.18	\$1.02	0.323	2,226
Beet Armyworm	51,501	2,256	0.007	\$18.25	\$0.12	0.031	210
Fall Armyworm	8,584	0	0.000	N/A	\$0.00	0.000	0
European Comborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	68,668	926	0.004	\$17.00	\$0.07	0.111	761
Grasshoppers	36,347	0	0.000	N/A	\$0.00	0.000	0
Saltmarsh Caterpillars	51,501	1,498	0.009	\$14.00	\$0.12	0.004	27
Aphids	6,397	0	0.000	N/A	\$0.00	0.000	0
Banded Winged Whitefly	49,287	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	137,336	85,835	0.748	\$28.59	\$21.40	0.559	3,845
Loopers	42,918	145	0.001	\$20.00	\$0.02	0.000	0
Yellowstriped Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	0	0	0.000	N/A	\$0.00	0.000	0
Percent Lost	1.96		Est. yield/acre	1,520			Cost/ Acre
						Foliar insecticide	\$28.34
Total Acres	172,035		Spray applications	1.183		At planting	\$0.63
						Bt use fees	\$33.90
			Cost + loss	\$17,372,727		Eradication*	\$5.44
Total Bales lost	13,460					Scouting	\$10.14
Bales lost in dollars	\$3,876,595		Cost + loss/acre	\$100.98		Total	\$78.45

Official Arizona Cotton Losses may be seen on the Arizona WEB <http://cals.arizona.edu/crops/cotton/insects/cil/cil.html> *Eradication PBW(\$4.69)+ Boll Weevil (\$0.75)= \$5.44