

Table 9 Arizona Summary Cotton Insect Losses – 2005

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	78,675	17,555	0.058	\$15.68	\$0.91	0.091	817
Pink Bollworm	102,729	43,683	0.670	\$14.59	\$9.77	0.645	5,777
Cotton Fleahopper	113,543	31,571	0.051	\$6.85	0.35	0.070	627
Lygus	222,602	199,176	1.583	\$17.05	\$27.00	4.191	37,564
Cotton Leaf Perforator	25,821	523	0.001	\$17.60	\$0.02	0.002	21
Spider Mites	59,750	33,742	0.141	\$25.74	\$3.63	0.168	1,508
Thrips	191,200	33,460	0.129	\$12.25	\$1.57	0.171	1,536
Beet Armyworm	53,256	10,527	0.031	\$17.31	\$0.54	0.016	141
Fall Armyworm	9,219	439	0.002	\$17.00	\$0.03	0.001	10
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	104,824	43,502	0.179	\$14.19	\$2.54	0.110	983
Grasshoppers	18,237	325	0.001	\$18.00	\$0.02	0.014	126
Saltmarsh Caterpillars	30,132	5,502	0.006	\$6.38	\$0.04	0.016	140
Aphids	15,887	3,088	0.016	\$14.00	\$0.22	0.023	204
Banded Winged Whitefly	46,555	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	224,909	198,047	2.072	\$28.10	\$58.21	3.172	28,427
Loopers	15,499	885	0.004	\$12.00	\$0.04	0.001	5
Yellowstriped Armyworms	1,262	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	12,249	388	0.002	\$15.00	\$0.02	0.000	0
Cutworms	1,975	179	0.001	\$11.73	\$0.01	0.001	5
Percent Lost	8.69		Est. yield/acre	1,302			Cost/ Acre
						Foliar insecticide	\$104.93

Total Acres	239,000	Spray applications	4.945	At planting	\$0.85
				Bt use fees	\$25.18
		Cost + loss	\$56,215,381	Eradication	\$0.75
Total Bales lost	77,890			Scouting	\$9.64
Bales lost in dollars	\$22,432,436	Cost + loss/acre	\$235.21	Total	\$141.35

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