

Table 9b Arizona nonBt 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	29,975	13,871	0.224	\$15.68	\$3.51	0.290	674
Pink Bollworm	54,260	40,143	2.525	\$14.60	\$36.87	2.450	5,697
Cotton Fleahopper	23,479	7,946	0.051	\$8.56	0.44	0.053	124
Lygus	58,087	46,771	1.433	\$16.77	\$24.04	4.216	9,802
Cotton Leaf Perforator	7,531	523	0.003	\$17.60	\$0.06	0.006	14
Spider Mites	15,500	7,256	0.117	\$26.55	\$3.11	0.204	474
Thrips	49,600	8,680	0.140	\$12.01	\$1.68	0.170	394
Beet Armyworm	13,446	4,972	0.076	\$17.60	\$1.34	0.035	82
Fall Armyworm	3,296	439	0.007	\$17.00	\$0.12	0.003	8
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	23,933	7,763	0.113	\$16.01	\$1.80	0.097	224
Grasshoppers	6,572	0	0.000	N/A	\$0.00	0.013	30
Saltmarsh Caterpillars	11,477	1,962	0.015	\$6.57	\$0.10	0.030	70
Aphids	4,509	314	0.006	\$14.00	\$0.09	0.022	50
Banded Winged Whitefly	8,255	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	58,280	49,746	2.006	\$26.51	\$53.18	2.820	6,557
Loopers	7,723	0	0.000	N/A	\$0.00	0.001	2
Yellowstriped Armyworms	628	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	2,427	138	0.002	\$15.00	\$0.03	0.000	0
Cutworms	837	0	0.000	N/A	\$0.00	0.000	0
Percent Lost	10.41		Est. yield/acre	1,250			Cost/ Acre
						Foliar insecticide	\$126.35

Total Acres	62,000	Spray applications	6.719	At planting	\$0.68
				Bt use fees	\$0.00
		Cost + loss	\$15,497,726	Eradication	\$0.75
Total Bales lost	24,203			Scouting	\$9.75
Bales lost in dollars	\$6,970,547	Cost + loss/acre	\$249.96	Total	\$137.54

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