

Table 9b

Arizona Bt

Cotton Insect Losses 2007

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	27,879	0	0.000	N/A	\$0.00	0.002	14
Pink Bollworm	24,599	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	128,109	7,543	0.023	\$11.00	0.25	0.014	81
Lygus	127,598	98,395	0.675	\$19.00	\$12.82	0.778	4,586
Cotton Leaf Perforator	1,692	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	31,063	9,129	0.056	\$21.50	\$1.20	0.012	69
Thrips	163,992	14,759	0.075	\$10.00	\$0.75	0.050	295
Beet Armyworm	30,983	1,692	0.005	\$18.00	\$0.09	0.001	4
Fall Armyworm	8,200	820	0.003	\$15.00	\$0.04	0.002	11
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	61,294	3,280	0.017	\$13.50	\$0.23	0.038	222
Grasshoppers	23,273	820	0.005	\$13.75	\$0.07	0.000	0
Saltmarsh Caterpillars	73,498	14,691	0.090	\$15.00	\$1.34	0.036	215
Aphids	24,234	4,920	0.030	\$17.67	\$0.53	0.001	8
Banded Winged Whitefly	49,682	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	139,393	78,716	0.360	\$25.00	\$9.00	0.542	3,193
Loopers	24,599	0	0.000	N/A	\$0.00	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	8,565	0	0.000	N/A	\$0.00	0.000	0

Percent Lost	1.48	Est. yield/acre	1,440
Total Acres	163,992	Spray applications	1.338
Total Bales lost	8,696	Cost + loss	\$15,354,250
Bales lost in dollars	\$2,504,430	Cost + loss/acre	\$93.63

	Cost/Acre
Foliar insecticide	\$26.32
At planting	\$1.23
Bt use fees	\$32.53
Eradication*	\$7.58
Scouting	\$10.69
Total	\$78.36

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

*Eradication PBW (\$5.34) + Boll Weevil (\$2.24) = \$7.58

