

Pest	acres		Tennessee <i>Bt</i>		Cotton Insect Losses ♦ 2004		
	infested	treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	475,000	60,000	0.126	\$8.00	\$1.01	1.00	9,401
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	5,000	0	0.000	N/A	0.00	0.00	0
Lygus	475,000	356,250	0.900	\$8.00	\$7.20	0.40	3,760
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	237,500	37,500	0.111	\$10.25	\$1.13	0.07	611
Thrips	475,000	142,500	0.300	\$5.95	\$1.79	0.30	2,820
Beet Armyworm	2,000	200	0.000	\$9.50	\$0.00	0.00	0
Fall Armyworm	50,000	400	0.001	\$9.00	\$0.01	0.01	99
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	400,000	150,000	0.347	\$8.00	\$2.78	0.51	4,750
Grasshoppers	20,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	475,000	1,500	0.003	\$8.20	\$0.03	0.02	188
Banded Winged Whitefly	10,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	8,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	356,250	300,000	0.821	\$8.50	\$6.98	0.83	7,756
Cutworms	50,000	308,000	0.648	\$1.50	\$0.97	0.00	20

Percent Lost	3.13
Total Acres	475,000
Total Bales lost	29,405
Bales lost in dollars	\$8,468,775

Est. yield/acre	840
Spray applications	3.258
Cost + loss	\$41,676,075
Cost + loss/acre	\$87.74

	Cost/ Acre
Foliar insecticide	\$21.90
At planting	\$8.46
Bt use fees	\$23.00
Eradication	\$12.00
Scouting	\$4.55
Total	\$69.91