

Table 22a Tennessee Bt Cotton Insect Losses 2003

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	0.00	0
Bollworm/Budworm	462,400	345,000	0.895	\$8.25	\$7.39	2.00	16,377
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	10,000	0	0.000	N/A	0.00	0.00	0
Lygus	462,400	350,000	1.060	\$8.25	\$8.74	0.50	4,094
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	175,000	15,000	0.036	\$12.40	\$0.44	0.01	93
Thrips	462,400	160,000	0.346	\$5.95	\$2.06	0.50	4,094
Beet Armyworm	13,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	230,000	30,000	0.065	\$9.00	\$0.58	0.15	1,222
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	462,400	300,000	0.779	\$8.00	\$6.23	1.10	9,007
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	350,000	2,000	0.004	\$8.20	\$0.04	0.01	62
Banded Winged Whitefly	100,000	0	0.000	N/A	\$0.00	0.00	18
Silverleaf Whitefly (Bemisia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	40,000	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	315,000	290,000	0.941	\$8.50	\$8.00	0.75	6,136
Cutworms	20,000	310,000	0.670	\$1.25	\$0.84	0.00	0

Percent Lost	5.02
Total Acres	462,400
Total Bales lost	41,103
Bales lost in dollars	\$11,837,559

Est. yield/acre	773
Spray applications	4.796
Cost + loss	\$54,216,475
Cost + loss/acre	\$117.25

	Cost/ Acre
Foliar insecticide	\$34.31
At planting	\$8.47
Bt use fees	\$23.00
Eradication	\$21.33
Scouting	\$4.54
Total	\$91.65