

Table 23

Tennessee

Cotton Insect Losses 2011

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot			
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	456,000	336,000	1	0.840	\$4.20	1.52%	20,234
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0	0.000	\$0.00	0.00%	0
Lygus	480,000	480,000	3	2.900	\$18.85	3.00%	39,935
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	288,000	96,000	1	0.220	\$1.98	0.66%	8,786
Thrips	480,000	384,000	1	1.040	\$3.38	3.20%	42,598
Beet Armyworm	9,600	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	48,000	4,800	1	0.010	\$0.08	0.01%	133
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	480,000	216,000	1	0.450	\$2.48	0.80%	10,649
Grasshoppers	4,800	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	432,000	33,600	1	0.070	\$0.32	0.09%	1,198
Banded Winged Whitefly	24,000	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	5	0	0	0.000	\$0.00	0.00%	0
Loopers	4,800	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.00%	0
Cutworms	19,200	336,000	1	0.700	\$1.82	0.00%	5
Clouded Plant bugs	288,000	38,400	1	0.080	\$0.44	0.12%	1,597
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
			0	6.310	\$33.54	9.40%	125,136

Yield & Management Results	
Total Acres	480,000
Total bales Harvested	820,000
yield (lbs/acre)	820
Total bales Lost to Insects	125,136
Percent Yield Loss	9.40%
Yield w/o Insects (lbs/ac)	905
Ave. # Spray Applications	6.31
Bales lost all factors	511,177
% yield loss all factors	38.4%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$16,099,200	\$33.54
At Planting Costs	\$4,276,800	\$8.91
In-furrow costs	\$47,040	\$0.10
Scouting costs	\$3,420,000	\$7.13
Eradication costs	\$720,000	\$1.50
Transgenic cotton	\$7,729,488	\$16.10
Total Costs	\$32,292,528	\$67.28
Yield Lost to insects	\$55,260,061	\$115.13
Total Losses + Costs	\$87,552,589	\$182.40

