

Table 23

Tennessee

Cotton Insect Losses - 2013

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	164,500	58,750	1	0.250	\$1.69	0.70%	4,363
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	235,000	235,000	4	4.200	\$33.60	3.40%	21,189
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	47,000	23,500	1	0.120	\$0.84	0.16%	997
Thrips	235,000	211,500	1	1.170	\$3.22	3.40%	21,189
Beet Armyworm	0	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	0	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	152,750	47,000	1	0.200	\$0.93	0.26%	1,620
Grasshoppers	0	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	94,000	2,350	1	0.010	\$0.07	0.01%	50
Banded Winged Whitefly	11,750	0	0	0.000	\$0.00	0.00%	3
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	0	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.00%	0
Cutworms	9,400	164,500	1	0.700	\$1.37	0.00%	2
Clouded Plant bugs	152,750	18,800	1	0.080	\$0.64	0.10%	608
False Chinch Bugs	0	0	0	0.000	\$0.00	0.00%	0
Leaf-footed Bugs	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
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Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				6.730	\$42.35	8.03%	50,022

Yield & Management Results

Total Acres	235,000
Total bales Harvested	429,854
yield (lbs/acre)	878
Total bales Lost to Insects	50,022
Percent Yield Loss	8.03%
Yield w/o Insects (lbs/ac)	955
Ave. # Spray Applications	6.73
Bales lost all factors	193,361
% yield loss all factors	31.0%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$9,952,250	\$42.35
At Planting Costs	\$2,115,000	\$8.91
In-furrow costs	\$21,855	\$0.10
Scouting costs	\$1,880,000	\$7.13
Eradication costs	\$235,000	\$1.50
Transgenic cotton	\$4,123,026	\$16.10
Total Costs	\$18,327,131	\$67.28
Yield Lost to insects	\$18,488,046	\$115.13
Total Losses + Costs	\$36,815,177	\$182.40