

Table 23

Tennessee Summary

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	172,250	79,500	1	0.30	\$2.10	0.975%	6,524
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	21,200	2,650	1	0.01	\$0.08	0.160%	1,071
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	5,300	185,500	1	0.70	\$1.33	0.000%	1
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	2,650	0	0	0.00	\$0.00	0.000%	0
Lygus	265,000	265,000	4	4.20	\$35.28	3.800%	25,425
Stink Bugs	225,250	106,000	1	0.40	\$2.20	0.340%	2,275
Clouded Plant bugs	172,250	13,250	1	0.05	\$0.28	0.130%	870
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	26,500	18,550	1	0.08	\$0.54	0.080%	535
Thrips	265,000	238,500	1	0.99	\$2.72	2.500%	16,727
Aphids	87,450	2,650	1	0.01	\$0.07	0.000%	0
Grasshoppers	0	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				6.74	\$44.60	7.985%	53,427

Yield & Management Results	
Total Acres	265,000
Total bales Harvested	495,219
yield (lbs/acre)	897
Total bales Lost to Insects	53,427
Percent Yield Loss	7.99%
Yield w/o Insects (lbs/ac)	975
Ave. # Spray Applications	6.74
Bales lost all factors	173,862
% yield loss all factors	25.99%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$11,818,073	\$44.60
At Planting Costs	\$2,385,000	\$9.00
In-furrow costs	\$11,925	\$0.05
Scouting costs	\$2,120,000	\$8.00
Eradication costs	\$397,500	\$1.50
Transgenic cotton	\$4,673,458	\$17.64
Total Costs	\$21,405,955	\$80.78
Yield Lost to insects	\$20,516,134	\$77.42
Total Losses + Costs	\$41,922,089	\$158.20