

Table 23

Tennessee Summary

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	320,000	160,000	1.2	0.48	\$4.32	0.96%	9,746
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	400,000	340,000	1.8	1.53	\$14.99	1.50%	15,228
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	240,000	132,000	1.3	0.43	\$6.01	0.84%	8,528
Thrips	400,000	140,000	1.0	0.35	\$2.66	0.50%	5,076
Beet Armyworm	12,000	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	40,000	8,000	1.0	0.02	\$0.22	0.02%	203
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	400,000	260,000	1.5	0.98	\$8.53	1.60%	16,243
Grasshoppers	8,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	300,000	20,000	1.0	0.05	\$0.46	0.11%	1,142
Banded Winged Whitefly	40,000	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	16,000	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	16,000	200,000	1.0	0.50	\$1.20	0.00%	0
Clouded Plant bugs	240,000	52,000	1.0	0.13	\$1.27	0.18%	1,827
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				4.46	\$39.65	5.71%	57,993

Yield & Management Results

Total Acres	400000
Total bales Harvested	754167
yield (lbs/acre)	905
Total bales Lost to Insects	57993
Percent Yield Loss	5.71%
Yield w/o Insects (lbs/ac)	960
Ave. # Spray Applications	4.46
Bales lost all factors	261033
% yield loss all factors	26%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$15,861,500	\$39.65
At Planting Costs	\$3,449,600	\$8.62
In-furrow costs	\$78,400	\$0.20
Scouting costs	\$2,580,000	\$6.45
Eradication costs	\$600,000	\$1.50
Transgenic cotton	\$5,051,918	\$12.63
Total Costs	\$27,621,418	\$69.05
Yield Lost to insects	\$23,382,898	\$58.46
Total Losses + Costs	\$51,004,316	\$127.51