

Table 23

## Tennessee Summary

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Bollworm/Budworm	87,750	81,000	1	0.60	\$5.10	0.975%	3,476
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	5,400	0	1	0.00	\$0.00	0.040%	143
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	27,000	94,500	1	0.70	\$1.33	0.002%	7
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0	0.00	\$0.00	0.000%	0
Lygus	135,000	135,000	3	3.10	\$26.04	2.300%	8,199
Stink Bugs	114,750	40,500	1	0.30	\$1.65	0.340%	1,212
Clouded Plant bugs	74,250	1,350	1	0.01	\$0.06	0.055%	196
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	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	27,000	20,250	1	0.17	\$1.16	0.120%	428
Thrips	135,000	108,000	1	1.04	\$2.86	1.300%	4,634
Aphids	40,500	1,350	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	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 Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				5.93	\$38.26	5.132%	18,294

Yield & Management Results	
Total Acres	135,000
Total bales Harvested	298,969
yield (lbs/acre)	1,063
Total bales Lost to Insects	18,294
Percent Yield Loss	5.13%
Yield w/o Insects (lbs/ac)	1,121
Ave. # Spray Applications	5.93
Bales lost all factors	57,507
% yield loss all factors	16.13%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$5,165,438	\$38.26
At Planting Costs		\$1,215,000	\$9.00
In-furrow costs		\$6,075	\$0.05
Scouting costs		\$1,080,000	\$8.00
Eradication costs		\$202,500	\$1.50
Transgenic cotton		\$3,090,416	\$22.89
Total Costs		\$10,759,429	\$79.70
Yield Lost to insects		\$6,585,953	\$48.78
Total Losses + Costs		\$17,345,382	\$128.48