

Table 21

Oklahoma

Cotton Insect Losses 2011

Pest	acres		#apps/ acre		cost/ acre	%red	Bales lost
	acres infested	treated	trtd	#apps/ tot acres			
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	0	0	0	0.000	\$0.00	0.00%	0
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	26,246	20,189	1	0.050	\$0.45	0.10%	601
Lygus	0	0	0	0.000	\$0.00	0.00%	0
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	0	0	0	0.000	\$0.00	0.00%	0
Thrips	80,756	60,567	1	0.150	\$0.75	0.10%	616
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	48,270	27,426	1	0.008	\$0.07	0.02%	92
Grasshoppers	1,009	404	1	0.001	\$0.01	0.00%	15
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	0	0	0	0.000	\$0.00	0.00%	0
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.00%	0
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	0	0	0	0.000	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				0.209	\$1.28	0.215%	1,324

Yield & Management Results

Total Acres	403,779
Total bales Harvested	55,000
yield (lbs/acre)	306
Total bales Lost to Insects	1,324
Percent Yield Loss	0.215%
Yield w/o Insects (lbs/ac)	307
Ave. # Spray Applications	0.21
Bales lost all factors	358,623
% yield loss all factors	58.2%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$515,626	\$1.28
At Planting Costs	\$2,196,558	\$5.44
In-furrow costs	\$222,078	\$0.55
Scouting costs	\$393,685	\$0.98
Eradication costs	\$807,558	\$2.00
Transgenic cotton	\$3,473,310	\$8.60
Total Costs	\$7,608,815	\$18.84
Yield Lost to insects	\$413,235	\$1.02
Total Losses + Costs	\$8,022,049	\$19.87

