

**Table 21**

**Oklahoma**

**Cotton Insect Losses 2009**

Pest	acres		#apps/ acre		cost/ acre	%red	Bales lost
	acres infested	treated	trtd	#apps/ tot acres			
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	190,000	1,900	1.0	0.01	\$0.12	0.00%	0
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	104,500	104,500	1.1	0.61	\$6.05	2.75%	10,599
Lygus	2	0	0.0	0.00	\$0.00	0.00%	0
Cotton Leaf Perforator	2	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	2	0	0.0	0.00	\$0.00	0.00%	0
Thrips	190,000	190,000	1.0	1.00	\$10.00	5.00%	19,272
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	19	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	1,900	1,900	1.0	0.01	\$0.10	0.01%	39
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	2	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				1.63	\$16.27	7.76%	29910

Yield & Management Results	
Total Acres	190,000
Total bales Harvested	328,542
Yield (lbs/acre)	830
Total bales Lost to Insects	29,910
Percent Yield Loss	7.76%
Yield w/o Insects (lbs/acre)	900
Ave. # Spray Applications	1.625
Yield loss to all factors	56,894
% Yield loss to all factors	14.8%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$3,091,300	\$16.27
At Planting Costs	\$1,852,500	\$9.75
Scouting costs	\$213,750	\$1.13
Eradication costs	\$0	\$0.00
Transgenic cotton	\$6,464,907	\$34.03
Total Costs	\$11,622,457	\$61.17
Yield Lost to insects	\$9,331,865	\$49.12
Total Losses + Costs	\$20,954,321	\$110.29