

Table 19

Oklahoma

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	0	0	0.00	0.000	\$0.00	0.000%	0
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	130,050	98,600	1.00	0.580	\$5.22	2.295%	7,175
Lygus	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	0	0	0.00	0.000	\$0.00	0.000%	0
Thrips	100,300	100,300	1.00	0.590	\$2.95	0.001%	2
Beet Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	29,920	29,920	1.00	0.176	\$0.35	0.880%	2,751
Grasshoppers	17	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	0	0	0.00	0.000	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	0	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	0	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	170,000
Total bales Harvested	279,792
Yield (lbs/acre)	790
Total bales Lost to Insects	9,928
Percent Yield Loss	3.18%
Yield w/o Insects (lbs/acre)	816
Ave. # Spray Applications	1.346
Yield loss to all factors	32,828
% Yield loss to all factors	8.18%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$1,448,740	\$8.52
At Planting Costs	\$673,200	\$3.96
Scouting costs	\$297,500	\$1.75
Eradication costs	\$0	\$0.00
Transgenic cotton	\$2,475,200	\$14.56
Total Costs	\$4,894,640	\$28.79
Yield Lost to insects	\$3,097,388	\$18.22
Total Losses + Costs	\$7,992,028	\$47.01