

Table 6**Summary of all States****Cotton Insect Losses 2008**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	224,428	1,000	2.00	0.000	\$0.00	0.000%	63
Bollworm/Budworm	5,293,326	2,018,338	1.14	0.291	\$2.34	0.763%	125,089
Pink Bollworm	25,599	4,770	2.00	0.001	\$0.01	0.000%	5
Cotton Fleahopper	2,284,484	795,215	1.21	0.122	\$0.90	0.228%	18,476
Lygus	4,833,188	2,095,448	2.35	0.624	\$6.08	1.003%	110,440
Cotton Leaf Perforator	18,463	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	2,587,102	859,000	1.07	0.116	\$2.19	0.162%	20,742
Thrips	6,921,839	2,490,199	1.11	0.351	\$1.88	0.515%	50,465
Beet Armyworm	1,707,657	57,068	0.91	0.007	\$0.08	0.007%	1,773
Fall Armyworm	858,268	92,972	0.78	0.009	\$0.09	0.040%	4,112
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	3,584,448	2,100,931	1.63	0.433	\$3.40	0.748%	107,418
Grasshoppers	609,187	39,430	0.85	0.004	\$0.03	0.020%	1,156
Saltmarsh Caterpillars	460,144	2,016	0.93	0.000	\$0.00	0.001%	6
Aphids	4,994,710	632,431	1.00	0.080	\$0.72	0.203%	9,098
Banded Winged Whitefly	271,337	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	363,430	107,596	1.07	0.015	\$0.46	0.025%	3,466
Loopers	989,737	32,249	0.97	0.004	\$0.05	0.031%	571
Southern Armyworms	23,877	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	561,868	618,655	0.88	0.069	\$0.20	0.001%	757
Clouded Plant bugs	624,462	219,679	0.91	0.025	\$0.21	0.050%	7,838
Other Insects	122,873	12,812	1.74	0.003	\$0.03	0.000%	25

Yield & Management Results

Total Acres	7,888,990
Total bales Harvested	12,621,375
Yield (lbs/acre)	768
Total bales Lost to Insects	461,500
Percent Yield Loss	3.798%
Yield w/o Insects (lbs/acre)	798
Ave. # Spray Applications	2.154
Yield loss to all factors	7,112,091
% Yield loss to all factors	34.8%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$147,191,508	\$18.66
At Planting Costs	\$58,301,918	\$7.39
Scouting costs	\$39,365,992	\$4.99
Eradication costs	\$48,210,097	\$6.11
Transgenic cotton	\$105,524,228	\$13.38
Total Costs	\$398,593,743	\$50.53
Yield Lost to insects	\$144,774,905	\$18.35
Total Losses + Costs	\$543,368,649	\$68.88

*Eradication - PBW (\$0.37) + Boll Weevil (\$5.74) = \$6.11