

Table 7a

North Alabama

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	99,267	10,622	1.10	0.118	\$0.79	3.500%	11,721
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	4,963	0	0.00	0.000	\$0.00	0.000%	0
Lygus	99,267	79,414	1.70	1.360	\$12.51	3.000%	10,047
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	59,560	7,941	1.00	0.080	\$0.88	0.120%	402
Thrips	99,267	24,817	1.00	0.250	\$1.31	0.500%	1,674
Beet Armyworm	993	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	19,853	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	99,267	9,927	1.00	0.100	\$0.73	0.500%	1,674
Grasshoppers	2,978	596	1.00	0.006	\$0.04	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	99,267	39,707	1.20	0.480	\$5.04	0.200%	670
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	14,890	99,267	1.00	1.000	\$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	99,267
Total bales Harvested	150,969
Yield (lbs/acre)	730
Total bales Lost to Insects	26,188
Percent Yield Loss	7.82%
Yield w/o Insects (lbs/acre)	792
Ave. # Spray Applications	3.394
Yield loss to all factors	183,922
% Yield loss to all factors	54.9%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$2,114,990	\$21.31
At Planting Costs	\$670,052	\$6.75
Scouting costs	\$580,712	\$5.85
Eradication costs	\$248,168	\$2.50
Transgenic cotton	\$1,602,666	\$16.14
Total Costs	\$5,216,588	\$52.55
Yield Lost to insects	\$8,170,790	\$82.31
Total Losses + Costs	\$13,387,378	\$134.86