

Table 7b

Central 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	55,000	27,500	2.00	1.000	\$9.00	5.000%	8,527
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	5,500	0	0.00	0.000	\$0.00	0.000%	0
Lygus	55,000	1,100	1.00	0.020	\$0.12	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	2,750	0	0.00	0.000	\$0.00	0.000%	0
Thrips	55,000	2,750	1.00	0.050	\$0.33	0.050%	85
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	55,000	44,000	1.50	1.200	\$8.40	2.500%	4,264
Grasshoppers	55,000	11,000	1.00	0.200	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	55,000	2,750	1.00	0.050	\$0.45	0.000%	0
Banded Winged Whitefly	2,750	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	550	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	5,500	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	55,000
Total bales Harvested	77,344
Yield (lbs/acre)	675
Total bales Lost to Insects	12,876
Percent Yield Loss	7.55%
Yield w/o Insects (lbs/acre)	730
Ave. # Spray Applications	2.520
Yield loss to all factors	93,205
% Yield loss to all factors	54.7%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$1,006,226	\$18.30
At Planting Costs	\$539,000	\$9.80
Scouting costs	\$107,800	\$1.96
Eradication costs	\$192,500	\$3.50
Transgenic cotton	\$1,139,132	\$20.71
Total Costs	\$2,984,659	\$54.27
Yield Lost to insects	\$4,017,441	\$73.04
Total Losses + Costs	\$7,002,100	\$127.31