

Table 7c

Alabama South

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	135,000	94,500	1.50	1.050	\$8.40	3.500%	16,195
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	6,750	0	0.00	0.000	\$0.00	0.000%	0
Lygus	135,000	4,050	1.00	0.030	\$0.18	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	6,750	0	0.00	0.000	\$0.00	0.000%	0
Thrips	135,000	6,750	1.00	0.050	\$0.30	0.000%	0
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	135,000	121,500	2.50	2.250	\$12.38	5.000%	23,135
Grasshoppers	121,500	13,500	1.00	0.100	\$0.80	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	135,000	6,750	1.00	0.050	\$0.40	0.000%	0
Banded Winged Whitefly	6,750	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	1,350	0	0.00	0.000	\$0.00	0.000%	0
Loopers	13,500	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	6,750	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	135,000
Total bales Harvested	215,156
Yield (lbs/acre)	765
Total bales Lost to Insects	39,330
Percent Yield Loss	8.50%
Yield w/o Insects (lbs/acre)	836
Ave. # Spray Applications	3.530
Yield loss to all factors	247,545
% Yield loss to all factors	53.5%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$3,031,425	\$22.46
At Planting Costs	\$1,282,500	\$9.50
Scouting costs	\$702,000	\$5.20
Eradication costs	\$472,500	\$3.50
Transgenic cotton	\$2,603,272	\$19.28
Total Costs	\$8,091,697	\$59.94
Yield Lost to insects	\$12,270,849	\$90.90
Total Losses + Costs	\$20,362,547	\$150.83