

**Table 20**

**South Carolina**

**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	135,000	1.00	1.000	\$9.00	1.500%	5,220
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	135,000	0	0.00	0.000	\$0.00	0.000%	0
Lygus	135,000	6,750	0.10	0.005	\$0.04	0.100%	348
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	128,250	20,250	0.25	0.038	\$0.60	0.095%	331
Thrips	135,000	74,250	1.00	0.550	\$3.58	0.500%	1,740
Beet Armyworm	20,250	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	128,250	20,250	0.50	0.075	\$1.13	0.238%	827
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	135,000	135,000	1.00	1.000	\$9.00	2.500%	8,701
Grasshoppers	121,500	6,750	0.10	0.005	\$0.04	0.000%	0
Saltmarsh Caterpillars	13,500	0	0.00	0.000	\$0.00	0.000%	0
Aphids	135,000	6,750	0.20	0.010	\$0.10	0.000%	0
Banded Winged Whitefly	27,000	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	27,000	0	0.00	0.000	\$0.00	0.000%	0
Loopers	33,750	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	20,250	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	121,500	13,500	1.00	0.100	\$0.50	0.090%	313
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	241,875
Yield (lbs/acre)	860
Total bales Lost to Insects	17,479
Percent Yield Loss	5.02%
Yield w/o Insects (lbs/acre)	905
Ave. # Spray Applications	2.783
Yield loss to all factors	106,147
% Yield loss to all factors	30.52%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$3,236,625	\$23.98
At Planting Costs	\$810,000	\$6.00
Scouting costs	\$1,032,750	\$7.65
Eradication costs	\$270,000	\$2.00
Transgenic cotton	\$1,453,159	\$10.76
Total Costs	\$6,802,534	\$50.39
Yield Lost to insects	\$5,453,568	\$40.40
Total Losses + Costs	\$12,256,102	\$90.79