

Table 22

South Carolina

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	115,000	57,500	2.0	1.00	\$10.00	1.00%	2,565
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	115,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	115,000	5,750	1.0	0.05	\$0.50	0.05%	128
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	115,000	17,250	1.0	0.15	\$2.55	0.10%	257
Thrips	115,000	34,500	1.0	0.30	\$2.25	0.25%	641
Beet Armyworm	43,700	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	103,500	28,750	1.0	0.25	\$5.00	0.90%	2,309
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	115,000	115,000	2.0	2.00	\$20.00	1.95%	5,002
Grasshoppers	115,000	5,750	1.0	0.05	\$0.50	0.05%	128
Saltmarsh Caterpillars	43,700	0	0.0	0.00	\$0.00	0.00%	0
Aphids	115,000	11,500	1.0	0.10	\$0.70	0.10%	257
Banded Winged Whitefly	97,750	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	28,750	0	0.0	0.00	\$0.00	0.00%	0
Loopers	46,000	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	23,000	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	115,000	5,750	1.0	0.05	\$0.15	0.05%	128
Clouded Plant bugs	23,000	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				3.95	\$41.65	4.45%	11415

Yield & Management Results	
Total Acres	115,000
Total bales Harvested	179,688
Yield (lbs/acre)	750
Total bales Lost to Insects	11,415
Percent Yield Loss	4.45%
Yield w/o Insects (lbs/acre)	785
Ave. # Spray Applications	3.950
Yield loss to all factors	76,826
% Yield loss to all factors	30.0%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$4,789,750	\$41.65
At Planting Costs	\$1,725,000	\$15.00
Scouting costs	\$644,000	\$5.60
Eradication costs	\$143,750	\$1.25
Transgenic cotton	\$2,814,274	\$24.47
Total Costs	\$10,116,774	\$87.97
Yield Lost to insects	\$3,561,429	\$30.97
Total Losses + Costs	\$13,678,204	\$118.94