

Table 22

South Carolina

Cotton Insect Losses 2011

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	303,000	212,100	1	0.700	\$5.60	0.90%	5,554
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	303,000	0	0	0.000	\$0.00	0.00%	0
Lygus	303,000	15,150	0	0.005	\$0.04	0.10%	617
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	303,000	30,300	0	0.010	\$0.14	0.10%	617
Thrips	303,000	242,400	1	0.800	\$5.20	1.00%	6,171
Beet Armyworm	15,150	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	272,700	15,150	0	0.005	\$0.07	0.09%	555
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	303,000	242,400	1	0.800	\$6.40	0.50%	3,085
Grasshoppers	272,700	15,150	0	0.005	\$0.04	0.00%	0
Saltmarsh Caterpillars	15,150	0	0	0.000	\$0.00	0.00%	0
Aphids	303,000	30,300	0	0.010	\$0.09	0.00%	0
Banded Winged Whitefly	151,500	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	60,600	0	0	0.000	\$0.00	0.00%	0
Loopers	30,300	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	15,150	0	0	0.000	\$0.00	0.00%	0
Cutworms	272,700	30,300	0	0.010	\$0.05	0.09%	555
Clouded Plant bugs	15,150	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				2.345	\$17.62	2.78%	17,155

Yield & Management Results

Total Acres	303,000
Total bales Harvested	473,438
yield (lbs/acre)	750
Total bales Lost to Insects	17,155
Percent Yield Loss	2.78%
Yield w/o Insects (lbs/ac)	771
Ave. # Spray Applications	2.35
Bales lost all factors	143,660
% yield loss all factors	23.3%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$5,338,860	\$17.62
At Planting Costs	\$2,181,600	\$7.20
In-furrow costs	\$1,187,760	\$3.92
Scouting costs	\$1,802,850	\$5.95
Eradication costs	\$378,750	\$1.25
Transgenic cotton	\$6,332,262	\$20.90
Total Costs	\$17,222,082	\$56.84
Yield Lost to insects	\$7,493,444	\$24.73
Total Losses + Costs	\$24,715,526	\$81.57

