

Table 22

South Carolina

Cotton Insect Losses 2012

Pest	acres infested	#apps/		#apps/ tot acres	cost/ acre	%red	Bales lost
		acres treated	acre trtd				
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	296,000	207,200	1	0.700	\$5.60	0.90%	6,241
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	296,000	0	0	0.000	\$0.00	0.00%	0
Lygus	296,000	29,600	1	0.100	\$0.70	0.10%	693
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	296,000	59,200	1	0.200	\$2.80	0.10%	693
Thrips	296,000	266,400	1	0.900	\$5.85	1.00%	6,935
Beet Armyworm	14,800	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	266,400	14,800	0	0.000	\$0.00	0.09%	624
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	296,000	266,400	1	0.900	\$7.20	1.00%	6,935
Grasshoppers	266,400	8,880	0	0.003	\$0.02	0.00%	0
Saltmarsh Caterpillars	14,800	0	0	0.000	\$0.00	0.00%	0
Aphids	296,000	44,400	1	0.150	\$1.35	0.00%	0
Banded Winged Whitefly	207,200	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	44,400	0	0	0.000	\$0.00	0.00%	0
Loopers	14,800	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	5,920	0	0	0.000	\$0.00	0.00%	0
Cutworms	266,400	29,600	1	0.100	\$0.50	0.00%	0
Clouded Plant bugs	5,920	0	0	0.000	\$0.00	0.00%	0
Other Insects 1	0	0	0	0.000	\$0.00	0.00%	0
Other Insects 2	0	0	0	0.000	\$0.00	0.00%	0
Other Insects 3	0	0	0	0.000	\$0.00	0.00%	0
Other Insects 4	0	0	0	0.000	\$0.00	0.00%	0
Other Insects 5	0	0	0	0.000	\$0.00	0.00%	0
				3.053	\$24.02	3.19%	22,121

Yield & Management Results

Total Acres	296,000
Total bales Harvested	539,583
yield (lbs/acre)	875
Total bales Lost to Insects	22,121
Percent Yield Loss	3.19%
Yield w/o Insects (lbs/ac)	904
Ave. # Spray Applications	3.05
Bales lost all factors	153,879
% yield loss all factors	22.19%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$7,110,216	\$24.02
At Planting Costs	\$2,664,000	\$9.00
In-furrow costs	\$1,184,000	\$4.00
Scouting costs	\$1,864,800	\$6.30
Eradication costs	\$370,000	\$1.25
Transgenic cotton	\$5,639,718	\$19.05
Total Costs	\$18,832,734	\$63.62
Yield Lost to insects	\$7,963,726	\$26.90
Total Losses + Costs	\$26,796,459	\$90.53