

Table 22

South Carolina Summary

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	200,000	180,000	1.0	0.900	\$7.20	1.50%	7,049
Pink Bollworm	0	0	0.0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	200,000	0	0.0	0.000	\$0.00	0.00%	0
Lygus	200,000	10,000	0.1	0.005	\$0.04	0.10%	470
Cotton Leaf Perforator	0	0	0.0	0.000	\$0.00	0.00%	0
Spider Mites	190,000	20,000	0.3	0.025	\$0.35	0.10%	446
Thrips	200,000	120,000	1.0	0.600	\$3.90	0.50%	2,350
Beet Armyworm	30,000	0	0.0	0.000	\$0.00	0.00%	0
Fall Armyworm	190,000	10,000	0.5	0.025	\$0.35	0.24%	1,116
European Cornborer	0	0	0.0	0.000	\$0.00	0.00%	0
Stink Bugs	200,000	200,000	1.5	1.500	\$12.00	2.50%	11,749
Grasshoppers	180,000	20,000	0.1	0.010	\$0.07	0.00%	0
Saltmarsh Caterpillars	20,000	0	0.0	0.000	\$0.00	0.00%	0
Aphids	200,000	20,000	0.5	0.050	\$0.45	0.00%	0
Banded Winged Whitefly	40,000	0	0.0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	40,000	0	0.0	0.000	\$0.00	0.00%	0
Loopers	50,000	0	0.0	0.000	\$0.00	0.00%	0
Southern Armyworms	30,000	0	0.0	0.000	\$0.00	0.00%	0
Cutworms	180,000	20,000	1.0	0.100	\$0.50	0.09%	423
Clouded Plant bugs	10,000	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 1	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.000	\$0.00	0.00%	0
				3.215	\$24.86	5.02%	23,603

Yield & Management Results

Total Acres	200,000
Total bales Harvested	350,000
yield (lbs/acre)	840
Total bales Lost to Insects	23,603
Percent Yield Loss	5.02%
Yield w/o Insects (lbs/ac)	884
Ave. # Spray Applications	3.215
Bales lost all factors	119,941
% yield loss all factors	25.52%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$4,971,000	\$24.86
At Planting Costs	\$1,200,000	\$6.00
In-furrow costs	\$738,508	\$3.69
Scouting costs	\$1,020,000	\$5.10
Eradication costs	\$250,000	\$1.25
Transgenic cotton	\$2,569,224	\$12.85
Total Costs	\$10,748,733	\$53.74
Yield Lost to insects	\$14,161,660	\$70.81
Total Losses + Costs	\$24,910,392	\$124.55