

Table 22

South Carolina Summary

Cotton Insect losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	180,000	45,000	1	0.25	\$1.00	1.250%	6,911
Beet Armyworm	9,000	18	0	0.00	\$0.00	0.000%	0
Fall Armyworm	36,000	1,800	1	0.01	\$0.07	0.000%	0
Loopers	1,800	0	0	0.00	\$0.00	0.000%	0
Cutworms	18,000	1,800	1	0.01	\$0.04	0.010%	55
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	180,000	0	0	0.00	\$0.00	0.000%	0
Lygus	180,000	18,000	1	0.10	\$0.40	0.100%	553
Stink Bugs	180,000	162,000	2	1.80	\$7.20	1.250%	6,911
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	180,000	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	180,000	0	0	0.00	\$0.00	0.000%	0
Spider Mites	180,000	18,000	1	0.10	\$1.20	0.100%	553
Thrips	180,000	135,000	1	0.75	\$3.00	1.250%	6,911
Aphids	180,000	18,000	1	0.10	\$0.50	0.000%	0
Grasshoppers	180,000	1,800	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	135,000	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	18,000	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				3.12	\$13.41	3.960%	21,895

Yield & Management Results

Total Acres	180,000
Total bales Harvested	337,500
yield (lbs/acre)	900
Total bales Lost to Insects	21,895
Percent Yield Loss	3.96%
Yield w/o Insects (lbs/ac)	937
Ave. # Spray Applications	3.12
Bales lost all factors	215,416
% yield loss all factors	38.96%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$2,413,800	\$13.41
At Planting Costs	\$2,106,000	\$11.70
In-furrow costs	\$162,000	\$0.90
Scouting costs	\$1,080,000	\$6.00
Eradication costs	\$225,000	\$1.25
Transgenic cotton	\$3,217,860	\$17.88
Total Costs	\$9,204,660	\$51.14
Yield Lost to insects	\$7,356,881	\$40.87
Total Losses + Costs	\$16,561,541	\$92.01