

Table 22

South Carolina Summary

Cotton Insect losses 2014

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	280,000	28,000	1	0.10	\$0.40	0.800%	6,522
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	70,000	5,600	1	0.02	\$0.12	0.250%	2,038
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	70,000	2,800	1	0.01	\$0.03	0.025%	204
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	14,000	0	0	0.00	\$0.00	0.000%	0
Lygus	210,000	14,000	0	0.00	\$0.00	0.150%	1,223
Stink Bugs	280,000	252,000	2	1.35	\$6.75	1.000%	8,153
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	2,800	0	1	0.00	\$0.00	0.000%	0
Spider Mites	252,000	28,000	1	0.10	\$1.20	0.090%	734
Thrips	280,000	252,000	1	0.90	\$2.70	1.000%	8,153
Aphids	280,000	5,600	1	0.02	\$0.10	0.000%	0
Grasshoppers	238,000	2,800	1	0.01	\$0.04	0.000%	0
Banded Winged Whitefly	140,000	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	28,000	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				2.51	\$11.34	3.315%	27,026

Yield & Management Results	
Total Acres	280,000
Total bales Harvested	543,667
yield (lbs/acre)	932
Total bales Lost to Insects	27,026
Percent Yield Loss	3.32%
Yield w/o Insects (lbs/ac)	964
Ave. # Spray Applications	2.51
Bales lost all factors	271,609
% yield loss all factors	33.32%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$3,175,200	\$11.34
At Planting Costs	\$2,912,000	\$10.40
In-furrow costs	\$504,000	\$1.80
Scouting costs	\$1,785,000	\$6.38
Eradication costs	\$350,000	\$1.25
Transgenic cotton	\$4,560,640	\$16.29
Total Costs	\$13,286,840	\$47.45
Yield Lost to insects	\$7,783,601	\$27.80
Total Losses + Costs	\$21,070,441	\$75.25