

Table 22

South Carolina Summary

Cotton Insect losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	235,000	4,700	1	0.02	\$0.06	0.500%	2,639
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	47,000	0	1	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	23,500	1,175	1	0.01	\$0.02	0.010%	53
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	235,000	0	0	0.00	\$0.00	0.000%	0
Lygus	235,000	11,750	1	0.05	\$0.00	0.100%	528
Stink Bugs	235,000	164,500	2	1.05	\$3.15	1.000%	5,278
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	235,000	23,500	1	0.10	\$1.20	0.100%	528
Thrips	235,000	117,500	1	0.50	\$1.50	1.000%	5,278
Aphids	235,000	11,750	1	0.05	\$0.25	0.000%	0
Grasshoppers	235,000	1,175	1	0.01	\$0.02	0.000%	0
Banded Winged Whitefly	176,250	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	0	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
				1.78	\$6.20	2.710%	14,303

Yield & Management Results	
Total Acres	235,000
Total bales Harvested	196,813
yield (lbs/acre)	402
Total bales Lost to Insects	14,303
Percent Yield Loss	2.71%
Yield w/o Insects (lbs/ac)	413
Ave. # Spray Applications	1.78
Bales lost all factors	330,976
% yield loss all factors	62.71%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$1,455,825	\$6.20
At Planting Costs		\$2,749,500	\$11.70
In-furrow costs		\$211,500	\$0.90
Scouting costs		\$1,498,125	\$6.38
Eradication costs		\$329,000	\$1.40
Transgenic cotton		\$4,106,625	\$17.48
Total Costs		\$10,350,575	\$44.05
Yield Lost to insects		\$4,119,287	\$17.53
Total Losses + Costs		\$14,469,862	\$61.57