

Table 9b

South Alabama

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	38,700	51,600	1	0.20	\$0.90	0.008%	48
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Loopers	0	516	0	0.00	\$0.00	0.000%	0
Cutworms	258	3	1	0.00	\$0.00	0.000%	0
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	0	2,580	0	0.00	\$0.00	0.000%	0
Lygus	232,200	129,000	1	0.50	\$2.75	0.270%	1,738
Stink Bugs	206,400	90,300	1	0.46	\$2.50	0.320%	2,060
Clouded Plant bugs	103,200	12,900	1	0.05	\$0.28	0.000%	3
Other Bugs	0	0	1	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	12,900	0	0	0.00	\$0.00	0.000%	0
Spider Mites	232,200	77,400	1	0.30	\$2.10	0.450%	2,897
Thrips	258,000	103,200	1	0.40	\$1.80	1.300%	8,370
Aphids	77,400	12,900	1	0.05	\$0.20	0.000%	0
Grasshoppers	25,800	129,000	1	0.50	\$2.00	0.000%	0
Banded Winged Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	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 Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				2.46	\$12.53	2.348%	15,118

Yield & Management Results	
Total Acres	258,000
Total bales Harvested	440,750
yield (lbs/acre)	820
Total bales Lost to Insects	15,118
Percent Yield Loss	2.35%
Yield w/o Insects (lbs/ac)	840
Ave. # Spray Applications	2.46
Bales lost all factors	203,131
% yield loss all factors	31.55%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$3,232,100	\$12.53
At Planting Costs	\$3,250,800	\$12.60
In-furrow costs	\$247,680	\$0.96
Scouting costs	\$1,864,050	\$7.23
Eradication costs	\$903,000	\$3.50
Transgenic cotton	\$4,518,119	\$17.51
Total Costs	\$14,015,749	\$54.32
Yield Lost to insects	\$5,369,800	\$20.81
Total Losses + Costs	\$19,385,549	\$75.14