

Table 9a

North Alabama

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	55,000	1,000	1	0.01	\$0.05	0.066%	133
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	0	0	0.00	\$0.00	0.000%	0
Cutworms	30,000	500	1	0.01	\$0.01	0.004%	7
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	25,000	0	0	0.00	\$0.00	0.000%	0
Lygus	83,500	70,000	3	2.51	\$13.83	1.300%	2,649
Stink Bugs	83,500	1,500	1	0.02	\$0.10	0.250%	503
Clouded Plant bugs	0	418	1	0.01	\$0.03	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	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	65,000	6,500	1	0.08	\$0.54	0.039%	78
Thrips	83,500	75,150	1	1.13	\$5.06	0.500%	1,006
Aphids	50,100	3,340	1	0.04	\$0.16	0.030%	60
Grasshoppers	0	0	0	0.00	\$0.00	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
				3.80	\$19.79	2.188%	4,436

Yield & Management Results	
Total Acres	83,500
Total bales Harvested	156563
yield (lbs/acre)	900
Total bales Lost to Insects	4436
Percent Yield Loss	2.19%
Yield w/o Insects (lbs/ac)	920
Ave. # Spray Applications	3.80
Bales lost all factors	44645
% yield loss all factors	22.19%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$1,652,625	\$19.79
At Planting Costs	\$1,085,500	\$13.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$603,288	\$7.23
Eradication costs	\$41,750	\$0.50
Transgenic cotton	\$1,436,200	\$17.20
Total Costs	\$4,819,362	\$57.72
Yield Lost to insects	\$1,448,070	\$17.34
Total Losses + Costs	\$6,267,433	\$75.06