

**Table 17**

**Mississippi Summary**

**Cotton Insect Losses 2011**

Pest	acres infested	#apps/ acre		#apps/ tot acres	cost/ acre	%red	Bales lost
		acres treated	trtd				
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	517,500	427,500	2	1.669	\$15.02	0.86%	17,099
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	97,500	13,500	1	0.023	\$0.32	0.02%	322
Lygus	573,000	550,500	6	5.635	\$78.89	4.35%	86,240
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	382,500	193,500	2	0.636	\$7.63	0.96%	18,958
Thrips	594,000	375,000	2	1.108	\$8.31	0.20%	3,925
Beet Armyworm	6,000	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	6,000	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	150,000	30,000	1	0.050	\$0.50	0.13%	2,478
Grasshoppers	30,000	91,500	1	0.153	\$0.92	0.01%	99
Saltmarsh Caterpillars	6,000	0	0	0.000	\$0.00	0.00%	0
Aphids	405,000	217,500	1	0.453	\$6.34	0.07%	1,338
Banded Winged Whitefly	52,500	6,000	1	0.010	\$0.14	0.01%	173
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	120,000	6,000	1	0.010	\$0.12	0.02%	397
Southern Armyworms	1,500	0	0	0.000	\$0.00	0.00%	0
Cutworms	16,500	270,000	1	0.450	\$2.70	0.00%	5
Clouded Plant bugs	90,000	30,000	1	0.050	\$0.60	0.45%	8,921
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				10.245	\$121.47	7.06%	139,957

Yield & Management Results	
Total Acres	600,000
Total bales Harvested	1,273,438
yield (lbs/acre)	1,019
Total bales Lost to Insects	139,957
Percent Yield Loss	7.06%
Yield w/o Insects (lbs/ac)	1,096
Ave. # Spray Applications	10.2
Bales lost all factors	690,109
% yield loss all factors	34.8%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$72,883,200	\$121.47
At Planting Costs	\$5,472,000	\$9.12
In-furrow costs	\$409,500	\$0.68
Scouting costs	\$4,117,500	\$6.86
Eradication costs	\$2,700,000	\$4.50
Transgenic cotton	\$16,055,419	\$26.76
Total Costs	\$101,637,619	\$169.40
Yield Lost to insects	\$67,179,387	\$111.97
Total Losses + Costs	\$168,817,006	\$281.36

