

**Table 15**

**Mississippi Summary**

**Cotton Insect Losses 2008**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	237,760	161,221	1.44	0.639	\$5.75	0.600%	5,147
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	14,917	0	0.00	0.000	\$0.00	0.000%	0
Lygus	340,464	302,249	4.91	4.093	\$42.32	1.064%	9,122
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	181,415	106,829	1.18	0.349	\$7.63	0.359%	3,074
Thrips	290,089	165,238	1.00	0.456	\$3.45	0.018%	152
Beet Armyworm	8,056	803	1.00	0.002	\$0.00	0.001%	6
Fall Armyworm	12,898	803	1.00	0.002	\$0.02	0.001%	6
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	110,737	62,425	1.03	0.178	\$1.66	0.153%	1,309
Grasshoppers	34,198	3,626	1.00	0.010	\$0.06	0.007%	57
Saltmarsh Caterpillars	15,308	803	1.00	0.002	\$0.02	0.001%	5
Aphids	183,259	64,488	1.00	0.178	\$1.73	0.043%	367
Banded Winged Whitefly	9,662	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	78,602	24,992	1.00	0.069	\$0.95	0.037%	319
Southern Armyworms	3,626	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	13,679	153,078	1.00	0.422	\$2.48	0.000%	3
Clouded Plant bugs	34,198	13,679	1.00	0.038	\$0.36	0.058%	499
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	362,611
Total bales Harvested	654,930
Yield (lbs/acre)	867
Total bales Lost to Insects	20,066
Percent Yield Loss	2.34%
Yield w/o Insects (lbs/acre)	888
Ave. # Spray Applications	6.438
Yield loss to all factors	199,184
% Yield loss to all factors	23.23%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$24,090,623	\$66.44
At Planting Costs	\$3,100,324	\$8.55
Scouting costs	\$2,505,437	\$6.91
Eradication costs	\$1,611,120	\$4.44
Transgenic cotton	\$7,528,153	\$20.76
Total Costs	\$38,835,657	\$107.10
Yield Lost to insects	\$6,260,437	\$17.26
Total Losses + Costs	\$45,096,094	\$124.36