

Table 17

Mississippi Summary

Cotton Insect Losses 2009

Pest	acres infested	acres	#apps/ acre	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	193,132	153,075	1.4	0.75	\$7.45	1.00%	7,998
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	10,423	0	0.0	0.00	\$0.00	0.00%	0
Lygus	283,161	259,555	5.4	4.76	\$54.16	2.49%	19,996
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	108,623	74,718	1.1	0.28	\$3.87	0.82%	6,627
Thrips	281,077	65,297	1.0	0.22	\$1.54	0.24%	1,905
Beet Armyworm	5,927	879	1.0	0.00	\$0.04	0.00%	24
Fall Armyworm	10,975	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	141,018	40,057	1.0	0.14	\$1.35	1.01%	8,137
Grasshoppers	25,240	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	7,133	0	0.0	0.00	\$0.00	0.00%	0
Aphids	210,709	111,383	1.0	0.38	\$3.92	0.14%	1,143
Banded Winged Whitefly	4,006	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	879	0	0.0	0.00	\$0.00	0.00%	0
Loopers	20,846	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	4,721	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	10,096	169,018	1.0	0.57	\$3.42	0.00%	27
Clouded Plant bugs	34,029	8,563	1.0	0.03	\$0.32	0.23%	1,845
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				7.11	\$76.08	5.94%	47702

Yield & Management Results

Total Acres	296,344
Total bales Harvested	468,061
Yield (lbs/acre)	758
Total bales Lost to Insects	47,702
Percent Yield Loss	5.94%
Yield w/o Insects (lbs/acre)	806
Ave. # Spray Applications	7.114
Yield loss to all factors	335,481
% Yield loss to all factors	41.8%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$22,544,633	\$76.08
At Planting Costs	\$2,510,012	\$8.47
Scouting costs	\$1,922,183	\$6.49
Eradication costs	\$889,032	\$3.00
Transgenic cotton	\$8,714,664	\$29.41
Total Costs	\$36,580,524	\$123.44
Yield Lost to insects	\$14,883,157	\$50.22
Total Losses + Costs	\$51,463,681	\$173.66