

**Table 17a**

**Mississippi Delta**

**Cotton Insect Losses 2009**

<b>Pest</b>	<b>acres infested</b>	<b>acres</b>	<b>#apps/ acre</b>	<b>#apps/ tot</b>	<b>cost/ acre</b>	<b>%red</b>	<b>Bales lost</b>
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	166,766	135,498	1.5	0.98	\$9.75	1.20%	7,166
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	208,458	198,035	6.5	6.18	\$71.01	3.00%	17,914
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	104,229	72,960	1.1	0.39	\$5.39	1.13%	6,718
Thrips	206,373	52,115	1.0	0.25	\$1.75	0.25%	1,478
Beet Armyworm	4,169	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	8,338	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	114,652	31,269	1.0	0.15	\$1.50	1.16%	6,897
Grasshoppers	20,846	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	6,254	0	0.0	0.00	\$0.00	0.00%	0
Aphids	166,766	93,806	1.0	0.45	\$4.73	0.16%	955
Banded Winged Whitefly	3,127	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	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	2,085	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	8,338	125,075	1.0	0.60	\$3.60	0.00%	24
Clouded Plant bugs	20,846	4,169	1.0	0.02	\$0.22	0.20%	1,194
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				9.01	\$97.95	7.09%	42347

<b>Yield &amp; Management Results</b>	
Total Acres	208,458
Total bales Harvested	334,401
Yield (lbs/acre)	770
Total bales Lost to Insects	42,347
Percent Yield Loss	7.09%
Yield w/o Insects (lbs/acre)	829
Ave. # Spray Applications	9.005
Yield loss to all factors	262,744
% Yield loss to all factors	44.0%

<b>Economic Results</b>		
	<b>Total</b>	<b>Per Acre</b>
Foliar Insecticides - costs	\$20,417,940	\$97.95
At Planting Costs	\$1,782,316	\$8.55
Scouting costs	\$1,430,022	\$6.86
Eradication costs	\$625,374	\$3.00
Transgenic cotton	\$6,206,837	\$29.77
Total Costs	\$30,462,489	\$146.13
Yield Lost to insects	\$13,212,127	\$63.38
Total Losses + Costs	\$43,674,615	\$209.51