

Table 17b**Mississippi Hills****Cotton Insect Losses 2009**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	26,366	17,577	1.0	0.20	\$2.00	0.51%	1,049
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	74,703	61,520	2.0	1.40	\$15.40	1.28%	2,622
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	4,394	1,758	1.0	0.02	\$0.28	0.11%	231
Thrips	74,703	13,183	1.0	0.15	\$1.05	0.21%	437
Beet Armyworm	1,758	879	1.0	0.01	\$0.12	0.01%	21
Fall Armyworm	2,637	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	26,366	8,789	1.0	0.10	\$1.00	0.68%	1,388
Grasshoppers	4,394	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	879	0	0.0	0.00	\$0.00	0.00%	0
Aphids	43,943	17,577	1.0	0.20	\$2.00	0.10%	206
Banded Winged Whitefly	879	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	879	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	2,637	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	1,758	43,943	1.0	0.50	\$3.00	0.00%	4
Clouded Plant bugs	13,183	4,394	1.0	0.05	\$0.55	0.30%	617
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				2.63	\$25.40	3.20%	6574

Yield & Management Results

Total Acres	87,886
Total bales Harvested	133,660
Yield (lbs/acre)	730
Total bales Lost to Insects	6,574
Percent Yield Loss	3.20%
Yield w/o Insects (lbs/acre)	754
Ave. # Spray Applications	2.630
Yield loss to all factors	71,971
% Yield loss to all factors	35.0%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$2,232,304	\$25.40
At Planting Costs	\$727,696	\$8.28
Scouting costs	\$492,162	\$5.60
Eradication costs	\$263,658	\$3.00
Transgenic cotton	\$2,507,759	\$28.53
Total Costs	\$6,223,579	\$70.81
Yield Lost to insects	\$2,051,092	\$23.34
Total Losses + Costs	\$8,274,671	\$94.15