

**Table 17b**

**Mississippi Hills**

**Cotton Insect Losses 2011**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	90,000	45,000	1	0.300	\$2.70	0.60%	2,252
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	7,500	0	0	0.000	\$0.00	0.01%	19
Lygus	127,500	105,000	3	1.750	\$24.50	2.55%	9,570
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	45,000	22,500	1	0.150	\$1.80	0.45%	1,689
Thrips	148,500	60,000	1	0.440	\$3.30	0.20%	743
Beet Armyworm	1,500	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	1,500	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	60,000	7,500	1	0.050	\$0.50	0.20%	751
Grasshoppers	7,500	1,500	1	0.010	\$0.06	0.01%	19
Saltmarsh Caterpillars	1,500	0	0	0.000	\$0.00	0.00%	0
Aphids	90,000	37,500	1	0.250	\$3.50	0.06%	225
Banded Winged Whitefly	7,500	1,500	1	0.010	\$0.14	0.01%	19
Silverleaf Whitefly (Bemisia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	7,500	1,500	1	0.010	\$0.12	0.01%	19
Southern Armyworms	1,500	0	0	0.000	\$0.00	0.00%	0
Cutworms	7,500	90,000	1	0.600	\$3.60	0.00%	2
Clouded Plant bugs	45,000	7,500	1	0.050	\$0.60	0.90%	3,378
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				3.620	\$40.82	4.98%	18,684

**Yield & Management Results**

Total Acres	150,000
Total bales Harvested	289,063
yield (lbs/acre)	925
Total bales Lost to Insects	18,684
Percent Yield Loss	4.98%
Yield w/o Insects (lbs/ac)	973
Ave. # Spray Applications	3.62
Bales lost all factors	86,239
% yield loss all factors	23.0%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$6,123,000	\$40.82
At Planting Costs	\$1,282,500	\$8.55
In-furrow costs	\$315,000	\$2.10
Scouting costs	\$843,750	\$5.63
Eradication costs	\$900,000	\$6.00
Transgenic cotton	\$3,977,363	\$26.52
Total Costs	\$13,441,613	\$89.61
Yield Lost to insects	\$8,968,495	\$59.79
Total Losses + Costs	\$22,410,108	\$149.40

