

**Table 15b**

**Mississippi Hills**

**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	40,169	20,085	1.00	0.250	\$2.25	0.250%	341
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	803	0	1.00	0.000	\$0.00	0.000%	0
Lygus	72,304	48,203	1.80	1.080	\$10.26	0.630%	858
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	12,051	8,034	1.00	0.100	\$2.00	0.038%	51
Thrips	64,270	24,101	1.00	0.300	\$2.40	0.080%	109
Beet Armyworm	2,410	803	1.00	0.010	\$0.00	0.003%	4
Fall Armyworm	1,607	803	1.00	0.010	\$0.09	0.003%	4
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	40,169	20,085	1.10	0.275	\$2.75	0.250%	341
Grasshoppers	20,085	803	1.00	0.010	\$0.08	0.013%	17
Saltmarsh Caterpillars	4,017	803	1.00	0.010	\$0.10	0.003%	3
Aphids	56,237	8,034	1.00	0.100	\$1.15	0.035%	48
Banded Winged Whitefly	4,017	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	8,034	2,410	1.00	0.030	\$0.38	0.080%	109
Southern Armyworms	803	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	8,034	40,169	1.00	0.500	\$2.75	0.001%	1
Clouded Plant bugs	20,085	8,034	1.00	0.100	\$0.95	0.175%	238
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	80,338
Total bales Harvested	110,967
Yield (lbs/acre)	663
Total bales Lost to Insects	2,125
Percent Yield Loss	1.56%
Yield w/o Insects (lbs/acre)	674
Ave. # Spray Applications	2.775
Yield loss to all factors	25,290
% Yield loss to all factors	18.56%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$2,020,099	\$25.15
At Planting Costs	\$686,890	\$8.55
Scouting costs	\$451,901	\$5.63
Eradication costs	\$482,028	\$6.00
Transgenic cotton	\$1,577,838	\$19.64
Total Costs	\$5,218,757	\$64.96
Yield Lost to insects	\$662,977	\$8.25
Total Losses + Costs	\$5,881,733	\$73.21