

Table 17b

Mississippi Hills

Cotton Insect Losses 2010

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	68,000	38,250	1.0	0.45	\$4.50	1.60%	2,561
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	76,500	63,750	2.0	1.50	\$16.50	1.35%	2,161
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	17,000	8,500	1.0	0.10	\$1.40	0.40%	640
Thrips	85,000	8,500	1.0	0.10	\$0.70	0.25%	400
Beet Armyworm	850	0	1.0	0.00	\$0.00	0.00%	0
Fall Armyworm	5,100	1,700	0.0	0.00	\$0.00	0.01%	19
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	34,000	4,250	1.0	0.05	\$0.50	0.84%	1,344
Grasshoppers	4,250	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	2,550	0	0.0	0.00	\$0.00	0.00%	5
Aphids	51,000	12,750	1.0	0.15	\$1.50	0.06%	96
Banded Winged Whitefly	850	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	850	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	42,500	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	4,250	42,500	1.0	0.50	\$3.00	0.01%	8
Clouded Plant bugs	17,000	6,800	1.0	0.08	\$0.88	0.50%	800
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				2.93	\$28.98	5.02%	8035

Yield & Management Results

Total Acres	85000
Total bales Harvested	132813
yield (lbs/acre)	750
Total bales Lost to Insects	8035
Percent Yield Loss	5.02%
Yield w/o Insects (lbs/ac)	790
Ave. # Spray Applications	2.93
Bales lost all factors	27241
% yield loss all factors	17.0%

Economic Results

Foliar Insecticides Costs	Total	Per Acre
At Planting Costs	\$2,463,300	\$28.98
In-furrow costs	\$703,800	\$8.28
Scouting costs	\$102,000	\$1.20
Eradication costs	\$476,000	\$5.60
Transgenic cotton	\$255,000	\$3.00
Total Costs	\$2,455,149	\$28.88
Yield Lost to insects	\$6,455,249	\$75.94
Total Losses + Costs	\$3,008,189	\$35.39