

Table 17B

Mississippi Hills

Cotton Insect Losses 2012

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	58,750	35,250	1	0.300	\$2.85	0.50%	1,572
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	5,875	0	0	0.000	\$0.00	0.01%	16
Lygus	94,000	79,900	2	1.360	\$19.04	4.00%	12,574
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	37,600	17,625	1	0.150	\$1.80	0.56%	1,760
Thrips	116,325	70,500	2	0.900	\$9.00	0.30%	934
Beet Armyworm	1,175	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	2,350	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	52,875	8,225	1	0.070	\$0.67	0.34%	1,061
Grasshoppers	8,225	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	1,175	0	0	0.000	\$0.00	0.00%	0
Aphids	64,625	35,250	1	0.300	\$4.20	0.06%	173
Banded Winged Whitefly	2,350	0	1	0.000	\$0.00	0.00%	6
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	11,750	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	11,750	0	0	0.000	\$0.00	0.00%	0
Cutworms	5,875	76,375	1	0.650	\$3.90	0.00%	2
Clouded Plant bugs	41,125	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				3.730	\$41.46	5.76%	18,098

Yield & Management Results

Total Acres	117,500
Total bales Harvested	201,953
yield (lbs/acre)	825
Total bales Lost to Insects	18,098
Percent Yield Loss	5.76%
Yield w/o Insects (lbs/ac)	875
Ave. # Spray Applications	3.73
Bales lost all factors	112,405
% yield loss all factors	35.76%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$4,870,963	\$41.46
At Planting Costs	\$1,744,875	\$14.85
In-furrow costs	\$0	\$0.00
Scouting costs	\$705,000	\$6.00
Eradication costs	\$705,000	\$6.00
Transgenic cotton	\$3,072,085	\$26.15
Total Costs	\$11,097,922	\$94.45
Yield Lost to insects	\$6,515,136	\$55.45
Total Losses + Costs	\$17,613,058	\$149.90