

Table 17b

Mississippi Hills

Cotton Insect Losses - 2013

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	63,000	31,500	1	0.300	\$2.85	0.60%	1,716
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	2,100	0	0	0.000	\$0.00	0.00%	6
Lygus	94,500	78,750	3	1.875	\$26.25	4.50%	12,870
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	42,000	16,800	1	0.160	\$1.92	0.70%	2,002
Thrips	103,950	73,500	2	1.120	\$11.20	0.30%	849
Beet Armyworm	1,050	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	2,100	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	52,500	10,500	1	0.100	\$0.95	0.38%	1,073
Grasshoppers	5,250	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	1,050	0	0	0.000	\$0.00	0.00%	0
Aphids	42,000	26,250	1	0.250	\$3.50	0.04%	114
Banded Winged Whitefly	1,050	0	1	0.000	\$0.00	0.00%	3
Silverleaf Whitefly (Bemisia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	2,100	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	15,750	0	0	0.000	\$0.00	0.00%	0
Cutworms	5,250	73,500	1	0.700	\$4.20	0.00%	1
Clouded Plant bugs	42,000	5,250	1	0.050	\$0.70	2.00%	5,720
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
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Other Insects	0	0	0	0.000	\$0.00	0.00%	0
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Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				4.555	\$51.57	8.52%	24,355

Yield & Management Results	
Total Acres	105,000
Total bales Harvested	218,750
yield (lbs/acre)	1,000
Total bales Lost to Insects	24,355
Percent Yield Loss	8.52%
Yield w/o Insects (lbs/ac)	1,093
Ave. # Spray Applications	4.56
Bales lost all factors	67,256
% yield loss all factors	23.52%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$5,414,850	\$51.57
At Planting Costs	\$1,559,250	\$14.85
In-furrow costs	\$0	\$0.00
Scouting costs	\$630,000	\$6.00
Eradication costs	\$630,000	\$6.00
Transgenic cotton	\$2,745,267	\$26.15
Total Costs	\$10,979,367	\$104.57
Yield Lost to insects	\$9,352,248	\$89.07
Total Losses + Costs	\$20,331,615	\$193.63