

Table 16c
2004

Mississippi Hills Bt

Cotton Insect Losses ♦

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	130,000	39,000	0.150	\$8.00	\$1.20	0.40	2,817
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	1,000	0	0.000	N/A	0.00	0.00	0
Lygus	250,000	150,000	0.865	\$8.25	\$7.14	0.48	3,385
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	156,000	31,200	0.180	\$12.00	\$2.16	0.06	423
Thrips	240,000	144,000	0.554	\$5.00	\$2.77	0.01	65
Beet Armyworm	26,000	4,500	0.017	\$9.00	\$0.16	0.00	7
Fall Armyworm	21,000	4,100	0.017	\$9.00	\$0.16	0.00	11
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	156,000	62,400	0.264	\$7.00	\$1.85	0.12	845
Grasshoppers	8,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	2,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	208,000	83,200	0.320	\$9.00	\$2.88	0.08	563
Banded Winged Whitefly	8,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	6,500	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	4,500	1,100	0.004	\$7.00	\$0.03	0.00	2
Clouded Plant Bugs	22,000	2,500	0.010	\$8.00	\$0.08	0.00	6
Cutworms	15,000	21,000	0.081	\$2.00	\$0.16	0.00	4

Percent Lost	1.15
Total Acres	260,000
Total Bales lost	8,129
Bales lost in dollars	\$2,341,092

Est. yield/acre	800
Spray applications	2.463
Cost + loss	\$20,899,012
Cost + loss/acre	\$80.38

	Cost/ Acre
Foliar insecticide	\$18.58
At planting	\$8.55
Bt use fees	\$27.00
Eradication	\$12.00
Scouting	\$5.25
Total	\$71.38