

Table 16c Mississippi Hills *Bt* Cotton Insect Losses – 2005

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	232,000	139,200	0.528	\$8.00	\$4.22	0.40	3,142
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	290,000	210,000	1.448	\$9.00	\$13.03	0.60	4,713
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	225,000	45,000	0.155	\$12.00	\$1.86	0.23	1,828
Thrips	290,000	146,550	0.505	\$5.00	\$2.53	0.10	785
Beet Armyworm	19,500	2,000	0.007	\$9.50	\$0.07	0.01	53
Fall Armyworm	31,000	6,157	0.021	\$11.00	\$0.23	0.02	126
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	188,500	67,500	0.233	\$7.00	\$1.63	0.23	1,787
Grasshoppers	9,250	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	3,100	0	0.000	N/A	\$0.00	0.00	0
Aphids	276,500	96,500	0.333	\$9.00	\$2.99	0.10	749
Banded Winged Whitefly	8,500	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	22,500	1,250	0.004	\$8.50	\$0.04	0.00	6
Southern Armyworms	3,200	950	0.003	\$7.00	\$0.02	0.00	1
Clouded Plant Bugs	24,000	2,500	0.009	\$8.00	\$0.07	0.00	7
Cutworms	21,500	21,000	0.072	\$2.00	\$0.14	0.00	6
Percent Lost	1.68		Est. yield/acre	725			Cost/ Acre
						Foliar insecticide	\$26.84

Total Acres	290,000	Spray applications	3.319	At planting	\$8.55
				Bt use fees	\$21.00
		Cost + loss	\$25,260,661	Eradication	\$12.00
Total Bales lost	13,203			Scouting	\$5.60
Bales lost in dollars	\$3,802,449	Cost + loss/acre	\$87.11	Total	\$73.99