

Table 16a Mississippi Delta *Bt* Cotton Insect Losses 2006

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	765,000	573,750	0.825	\$8.50	\$7.01	0.50	12,750
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	15,300	0	0.000	N/A	0.00	0.00	0
Lygus	765,000	726,750	3.230	\$9.00	\$29.07	0.70	17,850
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	500,000	330,000	0.561	\$12.25	\$6.87	0.65	16,667
Thrips	765,000	380,000	0.497	\$5.50	\$2.73	0.10	2,550
Beet Armyworm	41,500	1,900	0.002	\$9.50	\$0.02	0.00	35
Fall Armyworm	360,000	39,000	0.051	\$10.80	\$0.55	0.24	6,000
European Comborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	595,000	129,000	0.169	\$7.25	\$1.22	0.31	7,933
Grasshoppers	129,000	1,800	0.002	\$5.10	\$0.01	0.00	43
Saltmarsh Caterpillars	21,000	1,400	0.002	\$7.00	\$0.01	0.00	7
Aphids	760,000	360,000	0.518	\$9.75	\$5.05	0.20	5,067
Banded Winged Whitefly	48,000	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	219,000	3,300	0.004	\$10.50	\$0.05	0.00	73
Southern Armyworms	2,500	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	260,000	325,000	0.425	\$3.50	\$1.49	0.00	9
Percent Lost	2.71		Est. yield/acre	1,000			Cost/ Acre
						Foliar insecticide	\$54.08
Total Acres	765,000		Spray applications	6.286		At planting	\$9.02
						Bt use fees	\$20.00
Total Bales lost	68,983		Cost + loss	\$94,531,813		Eradication	\$8.50
Bales lost in dollars	\$19,867,080		Cost + loss/acre	\$123.57		Scouting	\$6.00
						Total	\$97.60