

Table 16a

Pest	Mississippi Delta <i>Bt</i>			Cotton Insect Losses 2007			
	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	350,000	250,000	0.611	\$10.50	\$6.41	0.43	5,833
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	25,000	5,000	0.012	\$7.50	0.09	0.01	83
Lygus	409,500	409,500	7.500	\$9.00	\$67.50	1.25	17,063
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	325,000	210,000	0.769	\$15.00	\$11.54	0.60	8,125
Thrips	409,500	250,000	0.672	\$7.00	\$4.70	0.10	1,365
Beet Armyworm	10,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	125,000	15,000	0.037	\$10.00	\$0.37	0.17	2,292
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	340,000	140,000	0.342	\$7.25	\$2.48	0.26	3,513
Grasshoppers	75,000	1,500	0.004	\$6.50	\$0.02	0.01	125
Saltmarsh Caterpillars	5,000	1,500	0.004	\$8.50	\$0.03	0.00	8
Aphids	250,000	85,000	0.208	\$9.75	\$2.02	0.12	1,667
Banded Winged Whitefly	25,000	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	75,000	2,500	0.006	\$9.00	\$0.05	0.00	25
Southern Armyworms	0	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	25,000	275,000	0.672	\$4.50	\$3.02	0.00	8

Percent Lost	2.94
Total Acres	409,500
Total Bales lost	40,108
Bales lost in dollars	\$11,550,960

Est. yield/acre	1,050
Spray applications	10.835
Cost + loss	\$71,721,105
Cost + loss/acre	\$175.14

	Cost/Acre
Foliar insecticide	\$98.24
At planting	\$8.91
Bt use fees	\$20.00
Eradication	\$12.00
Scouting	\$7.78
Total	\$146.94

