

Table 16b

Pest	Mississippi Delta nonBt				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	45,000	45,000	1.978	\$10.50	\$20.77	2.47	3,750
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	1,500	0	0.000	N/A	0.00	0.00	0
Lygus	45,000	45,500	7.500	\$9.00	\$67.50	1.24	1,875
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	30,000	10,000	0.330	\$15.00	\$4.95	0.49	750
Thrips	45,000	30,000	0.725	\$7.00	\$5.08	0.10	150
Beet Armyworm	500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	750	150	0.003	\$10.00	\$0.03	0.01	14
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	25,000	7,500	0.165	\$7.25	\$1.20	0.17	258
Grasshoppers	2,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	500	0	0.000	N/A	\$0.00	0.00	0
Aphids	25,000	5,000	0.110	\$9.75	\$1.07	0.11	167
Banded Winged Whitefly	0	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	3,500	500	0.011	\$9.00	\$0.10	0.00	1
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	2,500	35,000	0.769	\$4.50	\$3.46	0.00	1

Percent Lost	4.59
Total Acres	45,500
Total Bales lost	6,966
Bales lost in dollars	\$2,006,136

Est. yield/acre	1,050
Spray applications	11.591
Cost + loss	\$8,033,511
Cost + loss/acre	\$176.56

	Cost/Acre
Foliar insecticide	\$104.15
At planting	\$8.90
Bt use fees	\$0.00
Eradication	\$12.00
Scouting	\$7.42
Total	\$132.47

