

Table 16b Mississippi Delta nonBt 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	75,000	67,500	1.350	\$8.50	\$11.48	3.00	7,500
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	75,000	73,625	4.418	\$8.50	\$37.55	1.90	4,750
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	60,000	15,000	0.300	\$12.75	\$3.83	0.80	2,000
Thrips	75,000	35,550	0.474	\$5.50	\$2.61	0.25	625
Beet Armyworm	7,500	1,800	0.026	\$9.50	\$0.25	0.01	25
Fall Armyworm	35,000	16,500	0.330	\$11.25	\$3.71	0.23	583
European Cornborer	2,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	65,500	21,500	0.287	\$7.00	\$2.01	0.26	655
Grasshoppers	4,150	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	7,850	0	0.000	N/A	\$0.00	0.00	0
Aphids	73,520	23,550	0.314	\$9.25	\$2.90	0.10	245
Banded Winged Whitefly	12,500	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	15,500	900	0.012	\$8.50	\$0.10	0.00	5
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	6,000	250	0.003	\$8.00	\$0.03	0.00	0
Cutworms	19,500	29,000	0.387	\$2.00	\$0.77	0.00	7
Percent Lost	6.56		Est. yield/acre	910			Cost/ Acre
						Foliar insecticide	\$65.23

Total Acres	75,000	Spray applications	7.901	At planting	\$8.55
				Bt use fees	\$0.00
		Cost + loss	\$11,399,032	Eradication	\$8.50
Total Bales lost	16,395			Scouting	\$6.75
Bales lost in dollars	\$4,721,616	Cost + loss/acre	\$151.99	Total	\$89.03