

Table 16a Mississippi Delta 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	726,750	617,737	0.807	\$8.00	\$6.46	1.43	36,338
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	5,000	0	0.000	N/A	0.00	0.00	0
Lygus	765,000	750,000	4.902	\$8.50	\$41.67	2.30	58,650
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	600,000	200,000	0.392	\$12.75	\$5.00	0.78	20,000
Thrips	765,000	375,000	0.539	\$5.50	\$2.97	0.25	6,375
Beet Armyworm	26,750	12,000	0.016	\$9.50	\$0.15	0.00	22
Fall Armyworm	425,000	49,500	0.065	\$11.25	\$0.73	0.14	3,542
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	625,000	135,500	0.230	\$7.00	\$1.61	0.29	7,292
Grasshoppers	73,525	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	24,500	0	0.000	N/A	\$0.00	0.00	0
Aphids	695,000	255,000	0.333	\$9.25	\$3.08	0.09	2,317
Banded Winged Whitefly	65,000	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	125,000	2,500	0.003	\$8.50	\$0.03	0.00	42
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	11,000	400	0.001	\$8.00	\$0.00	0.00	0
Cutworms	145,500	225,000	0.294	\$2.00	\$0.59	0.00	49
Percent Lost	5.28		Est. yield/acre	910			Cost/ Acre
						Foliar insecticide	\$62.28

Total Acres	765,000	Spray applications	7.583	At planting	\$8.55
				Bt use fees	\$22.00
		Cost + loss	\$121,074,703	Eradication	\$8.00
Total Bales lost	134,627			Scouting	\$6.75
Bales lost in dollars	\$38,772,432	Cost + loss/acre	\$158.27	Total	\$107.58