

Table 16a

## Mississippi Delta Bt

## Cotton Insect Losses ♦ 2004

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	662,625	530,100	0.760	\$8.00	\$6.08	1.43	33,131
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	4,500	0	0.000	N/A	0.00	0.00	0
Lygus	697,500	662,625	5.225	\$8.25	\$43.11	2.50	58,125
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	348,750	69,750	0.100	\$12.75	\$1.28	0.13	2,906
Thrips	697,500	209,250	0.330	\$5.00	\$1.65	0.25	5,813
Beet Armyworm	34,875	10,462	0.015	\$9.00	\$0.13	0.00	29
Fall Armyworm	209,250	20,925	0.030	\$9.00	\$0.27	0.06	1,395
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	418,500	83,700	0.144	\$7.00	\$1.01	0.15	3,488
Grasshoppers	69,750	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	26,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	453,375	181,350	0.260	\$9.00	\$2.34	0.07	1,511
Banded Winged Whitefly	75,000	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	50,000	8,000	0.006	\$8.50	\$0.05	0.00	42
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	5,000	400	0.001	\$8.00	\$0.00	0.00	0
Cutworms	125,000	225,000	0.323	\$2.00	\$0.65	0.00	42

Percent Lost	4.58
Total Acres	697,500
Total Bales lost	106,481
Bales lost in dollars	\$30,666,570

Est. yield/acre	1,100
Spray applications	7.193
Cost + loss	\$106,022,892
Cost + loss/acre	\$152.00

	Cost/ Acre
Foliar insecticide	\$56.56
At planting	\$8.10
Bt use fees	\$28.00
Eradication	\$8.25
Scouting	\$7.13
Total	\$108.04