

Table 17a

Mississippi Delta

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	323,000	289,000	2.5	2.13	\$19.13	1.90%	18,098
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	20,400	0	0.0	0.00	\$0.00	0.00%	0
Lygus	340,000	333,200	6.0	5.88	\$67.62	4.50%	42,864
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	272,000	153,000	1.8	0.79	\$9.45	1.60%	15,240
Thrips	340,000	102,000	1.0	0.30	\$2.10	0.25%	2,381
Beet Armyworm	3,400	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	51,000	6,800	0.0	0.00	\$0.00	0.03%	286
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	204,000	51,000	1.0	0.15	\$1.50	1.26%	12,002
Grasshoppers	34,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	51,000	3,400	0.0	0.00	\$0.00	0.02%	143
Aphids	204,000	102,000	1.0	0.30	\$3.15	0.06%	572
Banded Winged Whitefly	6,800	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	34,000	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	170,000	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	10,200	170,000	1.0	0.50	\$3.00	0.00%	29
Clouded Plant bugs	40,800	6,800	1.0	0.02	\$0.22	0.30%	2,858
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				10.06	\$106.17	9.92%	94471

Yield & Management Results

Total Acres	340000
Total bales Harvested	743750
yield (lbs/acre)	1050
Total bales Lost to Insects	94471
Percent Yield Loss	9.92%
Yield w/o Insects (lbs/ac)	1166
Ave. # Spray Applications	10.063
Bales lost all factors	208774
% yield loss all factors	21.92%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$36,096,100	\$106.17
At Planting Costs	\$2,907,000	\$ 8.55
In-furrow costs	\$408,000	\$1.20
Scouting costs	\$2,499,000	\$7.35
Eradication costs	\$1,020,000	\$3.00
Transgenic cotton	\$10,168,040	\$29.91
Total Costs	\$53,098,140	\$156.17
Yield Lost to insects	\$35,370,076	\$104.03
Total Losses + Costs	\$88,468,216	\$260.20