

Table 16a Mississippi Delta Cotton Insect Lossese 2003

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	700,000	560,000	1.280	\$9.00	\$11.52	2.20	44,917
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	45,000	0	0.000	N/A	0.00	0.00	0
Lygus	700,000	660,000	3.111	\$8.25	\$25.67	2.10	42,875
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	700,000	25,000	0.046	\$12.75	\$0.59	0.50	10,208
Thrips	700,000	250,000	0.393	\$4.60	\$1.81	0.30	6,125
Beet Armyworm	60,000	25,000	0.036	\$9.00	\$0.32	0.09	1,750
Fall Armyworm	150,000	90,000	0.154	\$9.00	\$1.39	0.32	6,563
European Cornborer	5,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	700,000	220,000	0.377	\$7.20	\$2.72	0.63	12,863
Grasshoppers	70,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	43,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	700,000	220,000	0.377	\$9.00	\$3.39	0.18	3,675
Banded Winged Whitefly	500,000	12,000	0.024	\$10.60	\$0.25	0.04	729
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	180,000	60,000	0.086	\$8.80	\$0.75	0.04	840
Southern Armyworms	30,000	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	230,000	280,000	0.400	\$2.00	\$0.80	0.03	537

  

Percent Lost	6.42
Total Acres	700,000
Total Bales lost	131,081
Bales lost in dollars	\$37,751,280

  

Est. yield/acre	950
Spray applications	6.285
Cost + loss	\$109,743,035
Cost + loss/acre	\$156.78

  

	Cost/ Acre
Foliar insecticide	\$49.22
At planting	\$9.08
Bt use fees	\$23.80
Eradication	\$14.25
Scouting	\$6.50
Total	\$102.85