

Table 16. Mississippi Summary

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	0.000	0
Bollworm/budworm	1,669,000	1,130,000	1.257	\$9.80	\$12.32	3.320	111614
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	30,000	1,000	0.001	\$6.80	0.00	0.018	604
Lygus	1,669,000	1,391,000	2.586	\$7.56	\$19.56	3.435	115467
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	175,000	66,000	0.043	\$13.90	\$0.60	0.106	3552
Thrips, early season	1,669,000	419,000	0.251	\$4.60	\$1.15	0.100	3362
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	255,000	20,000	0.012	\$11.80	\$0.14	0.185	6229
Euro ean Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	800,000	160,000	0.096	\$7.20	\$0.69	0.418	14063
Gras hoppers	70,000	2,800	0.002	\$7.60	\$0.01	0.026	885
Salt-marsh Caterpillars	510,000	190,000	0.132	\$8.20	\$1.08	0.105	3531
Aphids	473,000	153,000	0.092	\$6.90	\$0.63	0.057	1913
Bandedwinged Whitefly	80,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	3,000	0	0.000	N/A	\$0.00	0.000	9
Soybean Loopers	280,000	140,000	0.084	\$9.90	\$0.83	0.050	1688
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	350,000	266,000	0.159	\$5.60	\$0.89	0.026	868
Percent Lost 7.85							
Est. yield/acre 747							
Foliar insecticide \$37.92							
Total Acres 1,669,000							
Spray applications 4.714							
At planting \$7.10							
Cost + loss \$235,166,060							
Bt use fees \$20.80							
Total Bales lost 263,785							
Eradication \$22.33							
Bales lost in dollars \$75,970,020							
Scouting \$7.23							
Cost + loss/acre \$140.90							
Total \$95.38							

Table 16a. Mississippi Delta

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	0.000	0
Bollworm/budworm	1,115,000	950,000	1.704	\$9.80	\$16.70	4.000	92917
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	20,000	500	0.000	\$6.80	0.00	0.018	417
Lygus	1,115,000	1,059,000	3.514	\$7.60	\$26.71	4.300	99885
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	130,000	60,000	0.054	\$13.90	\$0.75	0.117	2708
Thrips, early season	1,115,000	279,000	0.250	\$4.60	\$1.15	0.100	2323
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	200,000	20,000	0.018	\$11.80	\$0.21	0.179	4167
Euro ean Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	450,000	70,000	0.063	\$7.20	\$0.45	0.323	7500
Gras hoppers	20,000	2,000	0.002	\$7.60	\$0.01	0.018	417
Salt-marsh Caterpillars	400,000	150,000	0.161	\$8.20	\$1.32	0.108	2500
Aphids	335,000	123,000	0.110	\$6.90	\$0.76	0.060	1396
Bandedwinged Whitefly	50,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	2,000	0	0.000	N/A	\$0.00	0.000	0

Soybean Loopers	150,000	80,000	0.072	\$9.90	\$0.71	0.020	469
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	267,000	211,000	0.189	\$5.60	\$1.06	0.024	556
Percent Lost 9.27							
Total Acres 1,115,000		Est. yield/acre 740				Cost/ Acre	
		Spray applications 6.138				Foliar insecticide	\$49.84
		Cost + loss \$182,918,580				At planting	\$6.93
Total Bales lost 215,254						Bt use fees	\$22.08
Bales lost in dollars \$61,993,200		Cost + loss/acre \$164.05				Eradication	\$22.00
						Scouting	\$7.60
						Total	\$108.45

Table 16a. Mississippi Hills

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	0.000	0
Bollworm/budworm	554,000	180,000	0.357	\$9.80	\$3.50	1.800	18698
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	10,000	500	0.001	\$6.80	0.01	0.018	188
Lygus	554,000	332,000	0.719	\$7.20	\$5.18	1.500	15581
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	45,000	6,000	0.022	\$13.90	\$0.30	0.081	844
Thrips, early season	554,000	140,000	0.253	\$4.60	\$1.16	0.100	1039
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	55,000	0	0.000	N/A	\$0.00	0.199	2063
Euro ean Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	350,000	90,000	0.162	\$7.20	\$1.17	0.632	6563
Gras hoppers	50,000	800	0.001	\$7.60	\$0.01	0.045	469
Salt-marsh Caterpillars	110,000	40,000	0.072	\$8.20	\$0.59	0.099	1031
Aphids	138,000	30,000	0.054	\$6.90	\$0.37	0.050	518
Bandedwinged Whitefly	30,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	1,000	0	0.000	N/A	\$0.00	0.001	9
Soybean Loopers	130,000	60,000	0.108	\$9.90	\$1.07	0.117	1219
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	83,000	55,000	0.099	\$5.60	\$0.56	0.030	311
Percent Lost 4.67							
Total Acres 554,000		Est. yield/acre 760				Cost/ Acre	
		Spray applications 1.850				Foliar insecticide	\$13.92
		Cost + loss \$52,247,480				At planting	\$7.45
Total Bales lost 48,531						Bt use fees	\$18.21
Bales lost in dollars \$13,976,820		Cost + loss/acre \$94.31				Eradication	\$23.00
						Scouting	\$6.50
						Total	\$69.08