

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	1,287,000	515,000	0.863	\$13.20	\$11.39	2.232	59,850
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	38,800	0	0.000	N/A	\$0.00	0.001	29
Lygus	1,287,000	870,000	0.925	\$6.97	\$6.44	0.352	9,448
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	480,000	74,000	0.075	\$10.93	\$0.82	0.062	1,667
Thrips, early season	1,287,000	652,000	0.648	\$5.24	\$3.39	0.626	16,790
Beet Armyworm	530,000	96,000	0.075	\$11.73	\$0.87	0.071	1,917
Fall Armyworm	767,000	157,000	0.122	\$12.14	\$1.48	0.445	11,925
European Corn Borer	20,000	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	770,000	38,100	0.030	\$7.37	\$0.22	0.212	5,688
Grasshoppers	51,200	10,000	0.008	\$7.60	\$0.06	0.007	196
Salt-marsh Caterpillars	209,000	19,000	0.015	\$9.11	\$0.13	0.016	435
Aphids	1,287,000	531,000	0.492	\$6.78	\$3.33	0.330	8,845
Bandedwinged Whitefly	730,000	106,500	0.108	\$8.95	\$0.96	0.054	1,448
Silverleaf Whitefly	1,000	300	0.000	\$19.50	\$0.00	0.004	104
Soybean Loopers	215,000	47,000	0.037	\$11.83	\$0.43	0.028	760
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	1,287,000	152,000	0.118	\$6.68	\$0.79	0.087	2,343
							Cost/Acre
Percent Lost	4.53		Est. yield/acre	662			
						Foliar insecticide	\$30.34
Total Acres	1,287,000		Spray applications	3.513		At planting	\$9.08
						Bt use fees	\$22.38
			Cost + loss	\$152,183,853		Eradication	\$22.52
Total Bales lost	121,444					Scouting	\$6.76
Bales lost in dollars	\$34,975,980		Cost + loss/acre	\$118.25		Total	\$91.07

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	812,000	410,000	1.161	\$13.20	\$15.33	1.900	32,142
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	28,000	0	0.000	N/A	\$0.00	0.002	29
Lygus	812,000	730,000	1.259	\$7.20	\$9.06	0.500	8,458
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	160,000	55,000	0.088	\$10.80	\$0.95	0.059	1,000
Thrips, early season	812,000	510,000	0.817	\$5.40	\$4.41	0.700	11,842
Beet Armyworm	390,000	83,000	0.102	\$11.70	\$1.20	0.096	1,625

Fall Armyworm	580,000	120,000	0.148	\$11.80	\$1.74	0.429	7,250
European Corn Borer	20,000	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	420,000	5,100	0.006	\$7.20	\$0.05	0.207	3,500
Grasshoppers	8,200	0	0.000	N/A	\$0.00	0.001	17
Salt-marsh Caterpillars	129,000	17,000	0.021	\$9.20	\$0.19	0.016	269
Aphids	812,000	490,000	0.724	\$6.80	\$4.92	0.400	6,767
Bandedwinged Whitefly	510,000	85,000	0.136	\$8.70	\$1.18	0.031	531
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	140,000	37,000	0.046	\$11.70	\$0.53	0.017	292
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	812,000	110,000	0.135	\$6.60	\$0.89	0.080	1,353
Percent Lost	4.44		Est. yield/acre	680			Cost/ Acre
						Foliar insecticide	\$40.46
Total Acres	812,000		Spray applications	4.643		At planting	\$9.66
						Bt use fees	\$21.20
			Cost + loss	\$103,214,750		Eradication	\$22.00
Total Bales lost	75,075					Scouting	\$7.16
Bales lost in dollars	\$21,621,480		Cost + loss/acre	\$127.11		Total	\$100.48

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	475,000	105,000	0.354	\$13.20	\$4.67	2.800	27,708
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	10,800	0	0.000	N/A	\$0.00	0.000	0
Lygus	475,000	140,000	0.354	\$5.55	\$1.96	0.100	990
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	320,000	19,000	0.052	\$11.30	\$0.59	0.067	667
Thrips, early season	475,000	142,000	0.359	\$4.60	\$1.65	0.500	4,948
Beet Armyworm	140,000	13,000	0.027	\$11.90	\$0.33	0.029	292
Fall Armyworm	187,000	37,000	0.078	\$13.25	\$1.03	0.472	4,675
European Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	350,000	33,000	0.069	\$7.40	\$0.51	0.221	2,188
Grasshoppers	43,000	10,000	0.021	\$7.60	\$0.16	0.018	179
Salt-marsh Caterpillars	80,000	2,000	0.004	\$8.30	\$0.03	0.017	167
Aphids	475,000	41,000	0.095	\$6.50	\$0.62	0.210	2,078
Bandedwinged Whitefly	220,000	21,500	0.059	\$9.95	\$0.59	0.093	917
Silverleaf Whitefly	1,000	300	0.001	\$19.50	\$0.01	0.011	104
Soybean Loopers	75,000	10,000	0.021	\$12.30	\$0.26	0.047	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	475,000	42,000	0.088	\$6.90	\$0.61	0.100	990
Percent Lost	4.69		Est. yield/acre	630			Cost/ Acre
						Foliar insecticide	\$13.02
Total Acres	475,000		Spray applications	1.582		At planting	\$8.09
						Bt use fees	\$24.40
			Cost + loss	\$48,969,103		Eradication	\$23.40
Total Bales lost	46,370					Scouting	\$6.07
Bales lost in dollars	\$13,354,500		Cost + loss/acre	\$103.09		Total	\$74.98