

Table 15. Mississippi Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	792000	330000	0.280	\$5.30	\$1.48	0.186	4693
Bollworm/budworm	1,180,000	670,000	1.271	\$13.20	\$16.78	2.467	62396
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	78,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	1,180,000	598,000	0.817	\$6.89	\$5.63	0.238	6013
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	1,180,000	123,000	0.104	\$14.09	\$1.47	0.084	2135
Thrips, early season	1,180,000	447,000	0.379	\$3.24	\$1.23	0.181	4581
Beet Armyworm	92,000	14,700	0.012	\$14.64	\$0.18	0.007	168
Fall Armyworm	215,000	30,000	0.025	\$13.24	\$0.34	0.052	1306
European Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	270,000	17,500	0.015	\$7.21	\$0.11	0.131	3325
Grasshoppers	24,000	200	0.000	\$5.80	\$0.00	0.002	45
Salt-marsh Caterpillars	153,000	2,600	0.002	\$8.09	\$0.02	0.000	8
Aphids	1,180,000	703,000	0.704	\$7.25	\$5.10	0.400	10117
Bandedwinged Whitefly	1,180,000	172,000	0.156	\$8.31	\$1.30	0.066	1658
Silverleaf Whitefly	12,000	800	0.001	\$12.00	\$0.01	0.003	68
Soybean Loopers	455,000	52,000	0.044	\$13.66	\$0.60	0.059	1501
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	1,180,000	0	0.000	N/A	\$0.00	0.000	0
Cutworms	270,000	92,000	0.078	\$6.01	\$0.47	0.056	1404
Percent Lost	3.93		Est. yield/acre	715			Cost/ Acre
						Foliar insecticide	\$34.71
Total Acres	1,180,000		Spray applications	3.889		At planting	\$10.44
						Bt use fees	\$19.77
			Cost + loss	\$138,973,458		Eradication	\$22.00
Total Bales lost	99,418					Scouting	\$6.58
Bales lost in dollars	\$28,632,258		Cost + loss/acre	\$117.77		Total	\$93.51

Table 15a. Mississippi - Delta Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	512000	330000	0.434	\$5.30	\$2.30	0.27	4693
Bollworm/budworm	760,000	510,000	1.342	\$13.20	\$17.72	2.00	34833
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	50,000	0	0.000	N/A	\$0.00	0.00	0
Lygus	760,000	523,000	1.170	\$6.90	\$8.07	0.30	5225
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	760,000	85,000	0.112	\$14.40	\$1.61	0.10	1742
Thrips, early season	760,000	320,000	0.421	\$3.30	\$1.39	0.15	2613
Beet Armyworm	60,000	12,500	0.016	\$14.70	\$0.24	0.01	138
Fall Armyworm	160,000	19,000	0.025	\$13.50	\$0.34	0.06	1100
European Corn Borer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	120,000	12,000	0.016	\$7.40	\$0.12	0.13	2200
Grasshoppers	12,000	0	0.000	N/A	\$0.00	0.00	0
Salt-marsh Caterpillars	33,000	1,800	0.002	\$8.00	\$0.02	0.00	8
Aphids	760,000	640,000	1.011	\$7.25	\$7.33	0.40	6967
Bandedwinged Whitefly	760,000	120,000	0.174	\$8.20	\$1.42	0.05	871
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Soybean Loopers	300,000	30,000	0.039	\$14.00	\$0.55	0.04	688
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Western Flower Thrips	760,000	0	0.000	N/A	\$0.00	0.00	0
Cutworms	110,000	70,000	0.092	\$6.20	\$0.57	0.03	504
Percent Lost	3.54		Est. yield/acre	765			Cost/ Acre
						Foliar insecticide	\$41.68

Total Acres	760,000		Spray applications	4.854		At planting	\$10.69
						Bt use fees	\$17.55
			Cost + loss	\$92,770,698		Eradication	\$22.00
Total Bales lost	61,580					Scouting	\$6.81
Bales lost in dollars	\$17,735,058		Cost + loss/acre	\$122.07		Total	\$98.73

Table 15b. Mississippi - Hills Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	280000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/budworm	420,000	160,000	1.143	\$13.20	\$15.09	3.50	27563
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	28,000	0	0.000	N/A	\$0.00	0.00	0
Lygus	420,000	75,000	0.179	\$6.80	\$1.21	0.10	788
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	420,000	38,000	0.090	\$13.40	\$1.21	0.05	394
Thrips, early season	420,000	127,000	0.302	\$3.10	\$0.94	0.25	1969
Beet Armyworm	32,000	2,200	0.005	\$14.30	\$0.07	0.00	30
Fall Armyworm	55,000	11,000	0.026	\$12.80	\$0.34	0.03	206
European Corn Borer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	150,000	5,500	0.013	\$6.80	\$0.09	0.14	1125
Grasshoppers	12,000	200	0.000	\$5.80	\$0.00	0.01	45
Salt-marsh Caterpillars	120,000	800	0.002	\$8.30	\$0.02	0.00	0
Aphids	420,000	63,000	0.150	\$7.20	\$1.08	0.40	3150
Bandedwinged Whitefly	420,000	52,000	0.124	\$8.60	\$1.06	0.10	788
Silverleaf Whitefly	12,000	800	0.002	\$12.00	\$0.02	0.01	68
Soybean Loopers	155,000	22,000	0.052	\$13.20	\$0.69	0.10	814
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Western Flower Thrips	420,000	0	0.000	N/A	\$0.00	0.00	0
Cutworms	160,000	22,000	0.052	\$5.40	\$0.28	0.11	900
Percent Lost	4.80		Est. yield/acre	625			Cost/ Acre
						Foliar insecticide	\$22.11
Total Acres	420,000		Spray applications	2.142		At planting	\$10.00
						Bt use fees	\$23.78
			Cost + loss	\$46,202,760		Eradication	\$22.00
Total Bales lost	37,838					Scouting	\$6.17
Bales lost in dollars	\$10,897,200		Cost + loss/acre	\$110.01		Total	\$84.06