

Table 17A

Mississippi Delta

Cotton Insect Losses 2012

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	264,375	176,250	2	0.850	\$8.08	0.75%	10,532
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	88,125	52,875	1	0.150	\$2.10	0.03%	351
Lygus	348,975	334,875	6	5.700	\$79.80	4.95%	69,513
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	299,625	144,525	2	0.943	\$11.32	1.49%	20,889
Thrips	348,975	299,625	2	1.955	\$19.55	0.30%	4,171
Beet Armyworm	7,050	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	7,050	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	88,125	35,250	1	0.100	\$0.95	0.19%	2,633
Grasshoppers	17,625	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	3,525	0	0	0.000	\$0.00	0.00%	0
Aphids	264,375	158,625	1	0.585	\$8.19	0.08%	1,053
Banded Winged Whitefly	38,775	3,525	1	0.010	\$0.14	0.01%	154
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	88,125	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	17,625	0	0	0.000	\$0.00	0.00%	0
Cutworms	14,100	176,250	1	0.500	\$3.00	0.00%	6
Clouded Plant bugs	63,450	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
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Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				10.793	\$133.12	7.78%	109,303

Yield & Management Results

Total Acres	352,500
Total bales Harvested	789,453
yield (lbs/acre)	1,075
Total bales Lost to Insects	109,303
Percent Yield Loss	7.78%
Yield w/o Insects (lbs/ac)	1,166
Ave. # Spray Applications	10.79
Bales lost all factors	614,853
% yield loss all factors	43.8%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$46,925,153	\$133.12
At Planting Costs	\$5,234,625	\$14.85
In-furrow costs	\$42,300	\$0.12
Scouting costs	\$2,791,800	\$7.92
Eradication costs	\$1,410,000	\$4.00
Transgenic cotton	\$9,286,754	\$26.35
Total Costs	\$65,690,631	\$186.36
Yield Lost to insects	\$39,348,993	\$111.63
Total Losses + Costs	\$105,039,624	\$297.98