

Table 17

Mississippi Summary

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	323,125	211,500	2	0.713	\$6.77	0.69%	11,707
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	94,000	52,875	1	0.113	\$1.58	0.02%	341
Lygus	442,975	414,775	5	4.615	\$64.61	4.71%	80,243
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	337,225	162,150	2	0.745	\$8.94	1.26%	21,380
Thrips	465,300	370,125	2	1.691	\$16.91	0.30%	5,057
Beet Armyworm	8,225	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	9,400	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	141,000	43,475	1	0.093	\$0.88	0.23%	3,831
Grasshoppers	25,850	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	4,700	0	0	0.000	\$0.00	0.00%	0
Aphids	329,000	193,875	1	0.514	\$7.19	0.07%	1,192
Banded Winged Whitefly	41,125	3,525	1	0.008	\$0.11	0.01%	149
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	99,875	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	29,375	0	0	0.000	\$0.00	0.00%	0
Cutworms	19,975	252,625	1	0.538	\$3.23	0.00%	7
Clouded Plant bugs	104,575	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
				9.027	\$110.20	7.28%	123,907

Yield & Management Results

Total Acres	470,000
Total bales Harvested	991,406
yield (lbs/acre)	1,013
Total bales Lost to Insects	123,907
Percent Yield Loss	7.28%
Yield w/o Insects (lbs/ac)	1,092
Ave. # Spray Applications	9.03
Bales lost all factors	711,362
% yield loss all factors	41.78%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$51,796,115	\$110.20
At Planting Costs	\$6,979,500	\$14.85
In-furrow costs	\$42,300	\$0.09
Scouting costs	\$3,496,800	\$7.44
Eradication costs	\$2,115,000	\$4.50
Transgenic cotton	\$12,358,838	\$26.30
Total Costs	\$76,788,553	\$163.38
Yield Lost to insects	\$44,606,538	\$94.91
Total Losses + Costs	\$121,395,091	\$258.29