

Table 17

Mississippi Summary

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	391,000	327,250	2.3	1.79	\$16.32	1.84%	20,400
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	20,400	0	0.0	0.00	\$0.00	0.00%	0
Lygus	416,500	396,950	5.4	5.00	\$57.14	3.87%	42,907
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	289,000	161,500	1.7	0.65	\$7.87	1.36%	15,078
Thrips	425,000	110,500	1.0	0.26	\$1.82	0.25%	2,772
Beet Armyworm	4,250	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	56,100	8,500	0.0	0.00	\$0.00	0.03%	293
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	238,000	55,250	1.0	0.13	\$1.30	1.18%	13,038
Grasshoppers	38,250	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	53,550	3,400	0.0	0.00	\$0.00	0.01%	140
Aphids	255,000	114,750	1.0	0.27	\$2.82	0.06%	665
Banded Winged Whitefly	7,650	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	34,850	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	212,500	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	14,450	212,500	1.0	0.50	\$3.00	0.00%	38
Clouded Plant bugs	57,800	13,600	1.0	0.03	\$0.35	0.34%	3,770
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.59	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				8.64	\$90.62	8.94%	99,101

Yield & Management Results

Total Acres	425000
Total bales Harvested	876563
yield (lbs/acre)	990
Total bales Lost to Insects	99101
Percent Yield Loss	8.94%
Yield w/o Insects (lbs/ac)	1087
Ave. # Spray Applications	8.64
Bales lost all factors	232146
% yield loss all factors	20.9%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$38,515,124	\$90.62
At Planting Costs	\$3,610,800	\$8.50
In-furrow costs	\$510,000	\$1.20
Scouting costs	\$2,975,000	\$7.00
Eradication costs	\$1,275,000	\$3.00
Transgenic cotton	\$12,622,605	\$29.70
Total Costs	\$59,508,529	\$140.02
Yield Lost to insects	\$37,103,332	\$87.30
Total Losses + Costs	\$96,611,861	\$227.32