

Table 17

## Mississippi Summary

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	302,500	205,250	1	0.65	\$8.41	1.068%	13,855
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	157,250	30,250	1	0.07	\$0.32	0.278%	3,607
Loopers	10,250	0	0	0.00	\$0.00	0.000%	0
Cutworms	70,000	25,000	1	0.06	\$0.24	0.016%	208
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	10,250	3,000	1	0.01	\$0.06	0.005%	64
Lygus	418,750	369,000	4	3.90	\$42.11	4.926%	62,990
Stink Bugs	182,500	70,000	1	0.16	\$1.56	0.429%	5,428
Clouded Plant bugs	27,500	2,500	1	0.01	\$0.06	0.356%	4,399
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	217,750	168,750	1	0.58	\$6.94	1.153%	14,977
Thrips	425,000	187,500	1	0.44	\$3.97	0.400%	5,104
Aphids	200,000	106,250	1	0.25	\$2.50	0.000%	0
Grasshoppers	10,250	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	6,000	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				6.12	\$66.16	8.631%	110,631

Yield & Management Results	
Total Acres	425,000
Total bales Harvested	1,012,240
yield (lbs/acre)	1,143
Total bales Lost to Insects	110,631
Percent Yield Loss	8.63%
Yield w/o Insects (lbs/ac)	1,251
Ave. # Spray Applications	6.12
Bales lost all factors	263,119
% yield loss all factors	20.63%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$28,119,285	\$66.16
At Planting Costs	\$4,037,500	\$9.50
In-furrow costs	\$153,000	\$0.36
Scouting costs	\$3,242,250	\$7.63
Eradication costs	\$1,700,000	\$4.00
Transgenic cotton	\$10,974,329	\$25.82
Total Costs	\$48,226,364	\$113.47
Yield Lost to insects	\$33,985,761	\$79.97
Total Losses + Costs	\$82,212,125	\$193.44