

Table 17a

Mississippi Delta

Cotton Insect Losses 2015

Pest	acres infested	Mississippi Delta		Cotton Insect Losses 2015			
		acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	178,500	126,000	2	0.96	\$12.48	1.275%	8,637
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	100,800	21,000	1	0.10	\$0.60	0.360%	2,439
Loopers	2,100	0	0	0.00	\$0.00	0.000%	0
Cutworms	42,000	10,500	1	0.05	\$0.20	0.020%	135
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	10,500	0	1	0.00	\$0.00	0.010%	68
Lygus	210,000	205,800	6	5.88	\$64.68	5.000%	33,872
Stink Bugs	84,000	10,500	1	0.05	\$0.48	0.400%	2,710
Clouded Plant bugs	21,000	0	1	0.00	\$0.00	0.550%	3,726
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	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	147,000	105,000	2	1.00	\$12.00	1.575%	10,670
Thrips	210,000	126,000	1	0.72	\$6.48	1.000%	6,774
Aphids	105,000	63,000	1	0.30	\$3.00	0.250%	1,694
Grasshoppers	6,300	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	10,500	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	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 Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				9.06	\$99.92	10.440%	70,725

Yield & Management Results	
Total Acres	210,000
Total bales Harvested	511,875
yield (lbs/acre)	1,170
Total bales Lost to Insects	70,725
Percent Yield Loss	10.44%
Yield w/o Insects (lbs/ac)	1,306
Ave. # Spray Applications	9.06
Bales lost all factors	165,567
% yield loss all factors	24.44%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$20,982,150	\$99.92
At Planting Costs		\$1,995,000	\$9.50
In-furrow costs		\$75,600	\$0.36
Scouting costs		\$1,663,200	\$7.92
Eradication costs		\$840,000	\$4.00
Transgenic cotton		\$5,697,201	\$27.13
Total Costs		\$31,253,151	\$148.82
Yield Lost to insects		\$19,689,818	\$93.76
Total Losses + Costs		\$50,942,968	\$242.59