

Table 17a

Mississippi Delta

Cotton Insect Losses 2014

Pest	acres infested	acres treated	Mississippi Delta	Cotton Insect Losses 2014	cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Bollworm/Budworm	240,000	174,000	1	0.81	\$10.56	1.200%	11,428
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	126,000	24,000	1	0.08	\$0.36	0.315%	3,000
Loopers	9,000	0	0	0.00	\$0.00	0.000%	0
Cutworms	45,000	15,000	1	0.05	\$0.20	0.015%	143
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	9,000	3,000	1	0.01	\$0.09	0.006%	57
Lygus	300,000	294,000	5	4.90	\$53.90	5.000%	47,616
Stink Bugs	120,000	45,000	1	0.15	\$1.43	0.400%	3,809
Clouded Plant bugs	15,000	0	1	0.00	\$0.00	0.275%	2,619
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	174,000	150,000	2	0.75	\$9.00	1.305%	12,428
Thrips	300,000	150,000	1	0.50	\$4.50	0.400%	3,809
Aphids	150,000	75,000	1	0.25	\$2.50	0.000%	0
Grasshoppers	9,000	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
			0	7.50	\$82.53	8.916%	84,908

Yield & Management Results

Total Acres	300,000
Total bales Harvested	753,125
yield (lbs/acre)	1,205
Total bales Lost to Insects	84,908
Percent Yield Loss	8.92%
Yield w/o Insects (lbs/ac)	1,323
Ave. # Spray Applications	7.50
Bales lost all factors	199,185
% yield loss all factors	20.92%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$24,759,300	\$82.53
At Planting Costs	\$2,850,000	\$9.50
In-furrow costs	\$108,000	\$0.36
Scouting costs	\$2,376,000	\$7.92
Eradication costs	\$1,200,000	\$4.00
Transgenic cotton	\$7,833,397	\$26.11
Total Costs	\$39,126,697	\$130.42
Yield Lost to insects	\$26,083,731	\$86.95
Total Losses + Costs	\$65,210,428	\$217.37