

Table 17b

Mississippi Hills

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	62,500	31,250	1	0.25	\$3.25	0.750%	2,428
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	31,250	6,250	1	0.05	\$0.23	0.188%	607
Loopers	1,250	0	0	0.00	\$0.00	0.000%	0
Cutworms	25,000	10,000	1	0.08	\$0.32	0.020%	65
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	1,250	0	1	0.00	\$0.00	0.002%	6
Lygus	118,750	75,000	3	1.50	\$15.00	4.750%	15,375
Stink Bugs	62,500	25,000	1	0.20	\$1.90	0.500%	1,618
Clouded Plant bugs	12,500	2,500	1	0.02	\$0.20	0.550%	1,780
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	43,750	18,750	1	0.17	\$1.98	0.788%	2,549
Thrips	125,000	37,500	1	0.30	\$2.70	0.400%	1,295
Aphids	50,000	31,250	1	0.25	\$2.50	0.000%	0
Grasshoppers	1,250	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	0	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
				2.82	\$28.08	7.947%	25,723

Yield & Management Results

Total Acres	125,000
Total bales Harvested	259,115
yield (lbs/acre)	995
Total bales Lost to Insects	25,723
Percent Yield Loss	7.95%
Yield w/o Insects (lbs/ac)	1,081
Ave. # Spray Applications	2.82
Bales lost all factors	64,564
% yield loss all factors	19.95%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$3,509,375	\$28.08
At Planting Costs	\$1,187,500	\$9.50
In-furrow costs	\$45,000	\$0.36
Scouting costs	\$866,250	\$6.93
Eradication costs	\$500,000	\$4.00
Transgenic cotton	\$3,140,933	\$25.13
Total Costs	\$9,249,058	\$73.99
Yield Lost to insects	\$7,902,030	\$63.22
Total Losses + Costs	\$17,151,087	\$137.21