

Table 17b

Mississippi Hills

Cotton Insect Losses 2015

Pest	acres infested	acres treated	Mississippi Hills	#apps/ tot acres	cost/ acre	%red	Bales lost
			#apps/ acre trtd				
Bollworm/Budworm	44,000	22,000	1	0.20	\$2.60	0.600%	1,664
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	27,500	8,800	1	0.08	\$0.48	0.188%	520
Loopers	2,200	0	0	0.00	\$0.00	0.000%	0
Cutworms	33,000	16,500	1	0.15	\$0.60	0.030%	83
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	5,500	0	1	0.00	\$0.00	0.010%	28
Lygus	108,900	77,000	2	1.40	\$14.00	4.950%	13,727
Stink Bugs	66,000	16,500	1	0.15	\$1.43	0.600%	1,664
Clouded Plant bugs	16,500	2,200	1	0.02	\$0.20	0.825%	2,288
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	44,000	22,000	1	0.20	\$2.40	0.900%	2,496
Thrips	110,000	44,000	1	0.40	\$3.60	1.000%	2,773
Aphids	44,000	11,000	1	0.10	\$1.00	0.000%	0
Grasshoppers	1,100	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	1,100	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
				2.70	\$26.31	9.103%	25,242

Yield & Management Results	
Total Acres	110,000
Total bales Harvested	199,375
yield (lbs/acre)	870
Total bales Lost to Insects	25,242
Percent Yield Loss	9.10%
Yield w/o Insects (lbs/ac)	957
Ave. # Spray Applications	2.70
Bales lost all factors	77,929
% yield loss all factors	28.10%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$2,893,550	\$26.31
At Planting Costs	\$1,045,000	\$9.50
In-furrow costs	\$0	\$0.00
Scouting costs	\$731,500	\$6.65
Eradication costs	\$440,000	\$4.00
Transgenic cotton	\$2,793,706	\$25.40
Total Costs	\$7,903,756	\$71.85
Yield Lost to insects	\$7,027,273	\$63.88
Total Losses + Costs	\$14,931,029	\$135.74