

Table 11b

Arkansas Southeast

Cotton Insect Losses – 2013

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	79,200	29,040	2.0	0.66	\$5.28	0.68%	1,848
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	61,600	0	0.0	0.00	\$0.00	0.00%	0
Lygus	88,000	88,000	6.0	6.00	\$54.00	5.00%	13,689
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	1	26,400	1.5	0.45	\$3.38	0.00%	0
Thrips	88,000	66,000	1.5	1.13	\$6.75	1.25%	3,422
Beet Armyworm	880	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	4,400	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	61,600	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	44,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	1,760	0	0.0	0.00	\$0.00	0.00%	0
Aphids	88,000	13,200	1.0	0.15	\$1.13	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	26,400	4,400	1.0	0.05	\$0.25	0.00%	0
Clouded Plant bugs	30,800	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				8.44	\$70.78	6.93%	18,959

Yield & Management Results

Total Acres	88,000
Total bales Harvested	205,333
yield (lbs/acre)	1,120
Total bales Lost to Insects	18,959
Percent Yield Loss	6.93%
Yield w/o Insects (lbs/ac)	1,203
Ave. # Spray Applications	8.4
Bales lost all factors	68,444
% yield loss all factors	23.93%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$6,228,640	\$70.78
At Planting Costs	\$1,638,560	\$18.62
In-furrow costs	\$0	\$0.00
Scouting costs	\$1,034,880	\$11.76
Eradication costs	\$704,000	\$8.00
Transgenic cotton	\$2,877,641	\$32.70
Total Costs	\$12,483,721	\$141.86
Yield Lost to insects	\$6,825,288	\$77.56
Total Losses + Costs	\$19,309,008	\$219.42