

Table 11a

Arkansas Northeast

Cotton Insect Losses - 2013

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	184,000	64,400	1.0	0.28	\$2.10	0.40%	2,862
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	161,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	230,000	230,000	6.0	6.00	\$54.00	5.00%	35,778
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	138,000	69,000	1.5	0.45	\$3.38	0.60%	4,293
Thrips	230,000	161,000	1.5	1.05	\$6.30	1.50%	10,733
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	46,000	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	161,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	115,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	4,600	0	0.0	0.00	\$0.00	0.00%	0
Aphids	230,000	23,000	1.0	0.10	\$0.80	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (<i>Bemisia</i>)	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	46,000	11,500	1.0	0.05	\$0.25	0.00%	0
Clouded Plant bugs	80,500	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
				7.93	\$66.83	7.50%	53,667

Yield & Management Results	
Total Acres	230,000
Total bales Harvested	536,667
yield (lbs/acre)	1,120
Total bales Lost to Insects	53,667
Percent Yield Loss	7.50%
Yield w/o Insects (lbs/ac)	1,211
Ave. # Spray Applications	7.93
Bales lost all factors	178,889
% yield loss all factors	24.5%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$15,369,750	\$66.83
At Planting Costs	\$4,282,600	\$18.62
In-furrow costs	\$0	\$0.00
Scouting costs	\$2,704,800	\$11.76
Eradication costs	\$1,840,000	\$8.00
Transgenic cotton	\$6,498,208	\$28.25
Total Costs	\$30,695,358	\$133.46
Yield Lost to insects	\$19,320,000	\$84.00
Total Losses + Costs	\$50,015,358	\$217.46