

Table11a

Arkansas Northeast

Cotton Insect Losses 2009

Pest	acres infested	acres	#apps/ acre	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	338,000	58,271	1.3	0.22	\$1.34	0.25%	2,113
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	118,300	0	0.0	0.00	\$0.00	0.00%	0
Lygus	338,000	287,300	3.0	2.55	\$17.85	2.59%	21,886
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	101,400	33,800	1.0	0.10	\$1.20	0.02%	152
Thrips	338,000	338,000	1.5	1.50	\$10.50	0.56%	4,732
Beet Armyworm	67,600	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	118,300	16,900	1.0	0.05	\$0.50	0.02%	148
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	304,200	16,900	1.0	0.05	\$0.35	0.05%	456
Grasshoppers	304,200	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	202,800	0	0.0	0.00	\$0.00	0.00%	0
Aphids	338,000	67,600	1.0	0.20	\$2.20	0.00%	0
Banded Winged Whitefly	84,500	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	169,000	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	67,600	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	67,600	33,800	1.0	0.10	\$0.70	0.01%	85
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				4.77	\$34.64	3.50%	29,571

Yield & Management Results

Total Acres	338,000
Total bales Harvested	628,821
Yield (lbs/acre)	893
Total bales Lost to Insects	29,571
Percent Yield Loss	3.50%
Yield w/o Insects (lbs/acre)	925
Ave. # Spray Applications	4.774
Yield loss to all factors	202,800
% Yield loss to all factors	24.0%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$11,709,915	\$34.64
At Planting Costs	\$3,160,300	\$9.35
Scouting costs	\$2,484,300	\$7.35
Eradication costs	\$4,394,000	\$13.00
Transgenic cotton	\$9,413,414	\$27.85
Total Costs	\$31,161,930	\$92.20
Yield Lost to insects	\$9,226,152	\$27.30
Total Losses + Costs	\$40,388,081	\$119.49