

Table 11b

Arkansas Southeast

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/	#apps/ tot	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	182,000	172,536	1.7	1.61	\$9.67	0.30%	1,365
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	54,600	0	0.0	0.00	\$0.00	0.00%	0
Lygus	182,000	182,000	3.5	3.50	\$24.50	3.15%	14,333
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	27,300	9,100	1.3	0.06	\$0.75	0.00%	20
Thrips	182,000	182,000	1.5	1.50	\$10.50	0.50%	2,275
Beet Armyworm	18,200	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	81,900	18,200	1.0	0.10	\$1.00	0.02%	102
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	163,800	5,460	0.5	0.02	\$0.09	0.01%	41
Grasshoppers	145,600	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	91,000	0	0.0	0.00	\$0.00	0.00%	0
Aphids	182,000	18,200	1.0	0.10	\$0.80	0.00%	0
Banded Winged Whitefly	18,200	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	118,300	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	27,300	4,550	1.0	0.03	\$0.08	0.00%	7
Clouded Plant bugs	3,640	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				6.91	\$47.38	3.99%	18,143

Yield & Management Results

Total Acres	182,000
Total bales Harvested	338,596
Yield (lbs/acre)	893
Total bales Lost to Insects	18,143
Percent Yield Loss	3.99%
Yield w/o Insects (lbs/acre)	930
Ave. # Spray Applications	6.914
Yield loss to all factors	118,300
% Yield loss to all factors	26.0%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$8,623,997	\$47.38
At Planting Costs	\$1,701,700	\$9.35
Scouting costs	\$1,621,620	\$8.91
Eradication costs	\$2,184,000	\$12.00
Transgenic cotton	\$5,562,481	\$30.56
Total Costs	\$19,693,799	\$108.21
Yield Lost to insects	\$5,660,655	\$31.10
Total Losses + Costs	\$25,354,454	\$139.31