

Table 11A

Pest	Northeast Arkansas			Cotton Insect Losses 2012\			
	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	380,000	95,000	1.0	0.25	\$1.88	0.50%	5,805
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	380,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	380,000	372,400	4.5	4.41	\$39.69	3.50%	40,633
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	304,000	133,000	1.5	0.53	\$3.94	0.04%	464
Thrips	380,000	285,000	1.8	1.31	\$7.88	0.95%	11,029
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	190,000	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	380,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	266,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	304,000	76,000	1.0	0.20	\$1.60	0.00%	0
Banded Winged Whitefly	114,000	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	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	228,000	19,000	1.0	0.05	\$0.10	0.00%	0
Clouded Plant bugs	228,000	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
				6.75	\$55.08	4.99%	57,932

Yield & Management Results

Total Acres	380,000
Total bales Harvested	870,833
yield (lbs/acre)	1,100
Total bales Lost to Insects	57,932
Percent Yield Loss	4.99%
Yield w/o Insects (lbs/ac)	1,158
Ave. # Spray Applications	6.75
Bales lost all factors	290,278
% yield loss all factors	25.0%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$20,929,450	\$55.08
At Planting Costs	\$4,180,000	\$11.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$3,429,500	\$9.03
Eradication costs	\$4,940,000	\$13.00
Transgenic cotton	\$7,927,560	\$20.86
Total Costs	\$41,406,510	\$108.96
Yield Lost to insects	\$19,465,058	\$51.22
Total Losses + Costs	\$60,871,568	\$160.19