

**Table11a**

**Arkansas Northeast**

**Cotton Insect Losses 2011**

Pest	acres infested	acres		#apps/ tot acres	cost/ acre	%red	Bales lost
		treated	#apps/ acre				
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	400,000	0	1.7	0.00	\$0.00	2.00%	20,833
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	320,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	400,000	400,000	4.0	4.00	\$28.00	3.10%	32,292
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	280,000	80,000	1.5	0.30	\$2.70	0.18%	1,823
Thrips	400,000	320,000	1.3	1.00	\$3.00	0.50%	5,208
Beet Armyworm	40,000	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	180,000	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	320,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	240,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	80,000	0	0.0	0.00	\$0.00	0.00%	0
Aphids	360,000	20,000	1.0	0.05	\$0.35	0.00%	0
Banded Winged Whitefly	20,000	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	2,000	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	60,000	0	1.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	160,000	40,000	1.0	0.10	\$0.65	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				5.45	\$34.70	5.78%	60,156

Yield & Management Results	
Total Acres	400,000
Total bales Harvested	875,000
yield (lbs/acre)	1,050
Total bales Lost to Insects	60,156
Percent Yield Loss	5.78%
Yield w/o Insects (lbs/ac)	1,114
Ave. # Spray Applications	5.45
Bales lost all factors	166,406
% yield loss all factors	16.0%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$13,880,000	\$34.70
At Planting Costs	\$4,268,000	\$10.67
In-furrow costs	\$150,000	\$0.38
Scouting costs	\$3,420,000	\$8.55
Eradication costs	\$5,600,000	\$14.00
Transgenic cotton	\$10,025,920	\$25.06
Total Costs	\$37,343,920	\$93.36
Yield Lost to insects	\$25,987,502	\$64.97
Total Losses + Costs	\$63,331,422	\$158.33

