

Table 11a

Northeast Arkansas

Cotton Insect Losses 2010

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	322,200	120,181	1.5	0.56	\$1.68	2.00%	16,729
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	209,430	16,110	1.0	0.05	\$0.23	0.00%	0
Lygus	322,200	289,980	3.0	2.70	\$18.90	2.30%	19,239
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	225,540	96,660	1.5	0.45	\$4.05	0.35%	2,928
Thrips	322,200	96,660	1.0	0.30	\$0.90	0.20%	1,673
Beet Armyworm	48,330	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	80,550	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	322,200	32,220	1.0	0.10	\$0.40	0.20%	1,673
Grasshoppers	128,880	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	48,330	0	0.0	0.00	\$0.00	0.00%	0
Aphids	257,760	9,666	1.0	0.03	\$0.21	0.00%	0
Banded Winged Whitefly	48,330	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	6,444	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	80,550	32,220	1.0	0.10	\$0.30	0.03%	209
Clouded Plant bugs	193,320	96,660	1.0	0.30	\$1.95	0.06%	502
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				4.59	\$28.61	5.14%	42,953

**Yield & Management****Results**

Total Acres	322,200
Total bales Harvested	718,238
yield (lbs/acre)	1070
Total bales Lost to Insects	42,953
Percent Yield Loss	5.14%
Yield w/o Insects (lbs/ac)	1128
Ave. # Spray Applications	4.590
Bales lost all factors	118,235
% yield loss all factors	14.14%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$9,219,270	\$28.61
At Planting Costs	\$3,366,990	\$10.45
In-furrow costs	\$241,650	\$0.75
Scouting costs	\$2,601,765	\$8.08
Eradication costs	\$4,188,600	\$13.00
Transgenic cotton	\$4,036,209	\$12.53
Total Costs	\$23,654,484	\$73.42
Yield Lost to insects	\$16,906,262	\$52.47
Total Losses + Costs	\$40,560,746	\$125.89