

**Table 11**

**Arkansas Summary**

**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	520,000	230,807	1.6	0.71	\$4.26	0.27%	3,436
Pink Bollworm	0	1	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	172,900	0	0.0	0.00	\$0.00	0.00%	0
Lygus	520,000	469,300	3.2	2.88	\$20.18	2.79%	35,791
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	128,700	42,900	1.1	0.09	\$1.04	0.01%	171
Thrips	520,000	520,000	1.5	1.50	\$10.50	0.54%	6,924
Beet Armyworm	85,800	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	200,200	35,100	1.0	0.07	\$0.68	0.02%	247
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	468,000	22,360	0.9	0.04	\$0.26	0.04%	491
Grasshoppers	449,800	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	293,800	0	0.0	0.00	\$0.00	0.00%	0
Aphids	520,000	85,800	1.0	0.17	\$1.71	0.00%	0
Banded Winged Whitefly	102,700	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	287,300	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	94,900	4,550	1.0	0.01	\$0.03	0.00%	7
Clouded Plant bugs	71,240	33,800	1.0	0.07	\$0.46	0.01%	84
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				5.52	\$39.10	3.67%	47,151

**Yield & Management Results**

Total Acres	520,000
Total bales Harvested	967,417
Yield (lbs/acre)	893
Total bales Lost to Insects	47,151
Percent Yield Loss	3.67%
Yield w/o Insects (lbs/acre)	927
Ave. # Spray Applications	5.523
Yield loss to all factors	317,253
% Yield loss to all factors	24.7%

**Economic Results**

	Total	Per Acre
Foliar Insecticides - costs	\$20,331,849	\$39.10
At Planting Costs	\$4,862,000	\$9.35
Scouting costs	\$4,105,920	\$7.90
Eradication costs	\$6,578,000	\$12.65
Transgenic cotton	\$14,965,338	\$28.78
Total Costs	\$50,843,107	\$97.78
Yield Lost to insects	\$14,711,257	\$28.29
Total Losses + Costs	\$65,554,364	\$126.07