

**Table 9**

**Arkansas Summary**

**Cotton Insect Losses 2008**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	14,000	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	640,000	341,600	1.11	0.593	\$4.39	1.365%	22,692
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	362,000	36,000	1.00	0.056	\$0.37	0.169%	2,738
Lygus	640,000	540,000	2.23	1.884	\$12.69	1.438%	24,149
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	364,000	136,000	1.40	0.297	\$3.56	0.258%	4,205
Thrips	640,000	356,000	1.00	0.556	\$1.67	0.456%	7,524
Beet Armyworm	100,000	3,600	1.00	0.006	\$0.05	0.000%	0
Fall Armyworm	284,000	35,200	1.00	0.055	\$0.44	0.143%	2,435
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	640,000	248,000	1.00	0.388	\$3.10	0.819%	13,731
Grasshoppers	192,000	1,400	1.00	0.002	\$0.01	0.000%	0
Saltmarsh Caterpillars	192,000	0	0.00	0.000	\$0.00	0.000%	0
Aphids	532,000	17,600	1.00	0.028	\$0.21	0.022%	379
Banded Winged Whitefly	82,000	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	314,000	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	160,000	50,000	1.00	0.078	\$0.34	0.026%	433
Clouded Plant bugs	272,000	108,000	1.00	0.169	\$1.10	0.253%	4,042
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	640,000
Total bales Harvested	1,245,833
Yield (lbs/acre)	934
Total bales Lost to Insects	82,329
Percent Yield Loss	4.95%
Yield w/o Insects (lbs/acre)	983
Ave. # Spray Applications	4.111
Yield loss to all factors	341,848
% Yield loss to all factors	21.5%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$17,866,960	\$27.92
At Planting Costs	\$6,292,000	\$9.83
Scouting costs	\$5,180,400	\$8.09
Eradication costs	\$8,040,000	\$12.56
Transgenic cotton	\$16,581,180	\$25.91
Total Costs	\$53,960,540	\$84.31
Yield Lost to insects	\$20,549,346	\$32.11
Total Losses + Costs	\$74,509,886	\$116.42