

Table 11

Arkansas Summary

Cotton insect Losses 2012

Pest	acres infested	acres		#apps/ tot acres	cost/ acre	%red	Bales lost
		treated	#apps/ acre trtd				
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	580,000	225,000	1.3	0.50	\$3.89	0.67%	12,238
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	580,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	580,000	572,400	5.2	5.13	\$46.18	4.00%	72,476
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	464,000	213,000	1.3	0.50	\$3.72	0.04%	722
Thrips	580,000	485,000	1.8	1.48	\$8.88	0.97%	17,462
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	290,000	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	580,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	406,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	504,000	116,000	1.0	0.20	\$1.60	0.00%	0
Banded Winged Whitefly	194,000	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	348,000	39,000	1.0	0.07	\$0.13	0.00%	0
Clouded Plant bugs	328,000	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	3.45	\$0.00	0.00%	0
Other Insects	0	0	0.0	4.42	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				15.75	\$64.41	5.68%	102,898

Yield & Management Results

Total Acres	580,000
Total bales Harvested	1,308,333
yield (lbs/acre)	1,083
Total bales Lost to Insects	102,898
Percent Yield Loss	5.68%
Yield w/o Insects (lbs/ac)	1,148
Ave. # Spray Applications	16
Bales lost all factors	493,873
% yield loss all factors	27.4%

Economic

Results	Total	Per Acre
Foliar Insecticides Costs	\$37,355,728	\$64.41
At Planting Costs	\$6,380,000	\$11.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$5,272,500	\$9.09
Eradication costs	\$7,340,000	\$12.66
Transgenic cotton	\$8,892,560	\$15.33
Total Costs	\$65,240,788	\$112.48
Yield Lost to insects	\$34,573,571	\$59.61
Total Losses + Costs	\$99,814,359	\$172.09