

Table 11

Arkansas Summary

Cotton Insect Lossees 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	537,000	330,685	1.7	1.04	\$3.12	2.26%	32,090
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	273,870	16,110	1.0	0.03	\$0.14	0.00%	0
Lygus	537,000	496,188	2.8	2.58	\$18.06	2.74%	38,946
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	311,460	118,140	1.4	0.31	\$2.79	0.27%	3,855
Thrips	537,000	161,100	1.0	0.30	\$0.90	0.20%	2,832
Beet Armyworm	59,070	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	134,250	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	537,000	32,220	1.0	0.06	\$0.24	0.16%	2,253
Grasshoppers	171,840	2,148	1.0	0.00	\$0.01	0.00%	58
Saltmarsh Caterpillars	59,070	0	0.0	0.00	\$0.00	0.00%	0
Aphids	472,560	20,406	1.0	0.04	\$0.27	0.02%	290
Banded Winged Whitefly	69,810	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	17,184	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	102,030	42,960	1.0	0.08	\$0.24	0.02%	238
Clouded Plant bugs	214,800	96,660	1.0	0.18	\$1.17	0.04%	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
				4.62	\$26.94	5.71%	81,064

Yield & Management Results

Total Acres	537,000
Total bales Harvested	1,210,488
yield (lbs/acre)	1,082
Total bales Lost to Insects	81,064
Percent Yield Loss	5.71%
Yield w/o Insects (lbs/ac)	1148
Ave. # Spray Applications	4.623
Bales lost all factors	205,470
% yield loss all factors	14.51%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$14,465,115	\$26.94
At Planting Costs	\$5,611,650	\$10.45
In-furrow costs	\$402,750	\$0.75
Scouting costs	\$4,475,680	\$8.33
Eradication costs	\$6,766,200	\$12.60
Transgenic cotton	\$8,705,755	\$16.21
Total Costs	\$40,427,150	\$75.28
Yield Lost to insects	\$31,906,599	\$59.42
Total Losses + Costs	\$72,333,749	\$134.70