

Table 11

Arkansas Summary

Cotton Insect Losses 2011

Pest	acres infested	acres #apps/ acre		#apps/ tot acres	cost/ acre	%red	Bales lost
		treated	trtd				
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	620,000	198,000	2.5	0.80	\$2.40	2.35%	38,021
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	474,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	620,000	620,000	4.4	4.35	\$30.48	3.42%	55,208
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	368,000	102,000	1.4	0.23	\$2.06	0.15%	2,396
Thrips	620,000	496,000	1.3	1.01	\$3.04	0.50%	8,073
Beet Armyworm	57,600	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	507,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	372,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	124,000	0	0.0	0.00	\$0.00	0.00%	0
Aphids	558,000	31,000	1.0	0.05	\$0.35	0.00%	0
Banded Winged Whitefly	31,000	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	19,600	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	93,000	0	1.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	182,000	40,000	1.0	0.06	\$0.42	0.000%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				6.51	\$38.75	6.42%	103,698

Economic Results

Yield & Management Results	
Total Acres	620,000
Total bales Harvested	1,287,500
yield (lbs/acre)	997
Total bales Lost to Insects	103,698
Percent Yield Loss	6.42%
Yield w/o Insects (lbs/ac)	1,065
Ave. # Spray Applications	6.51
Bales lost all factors	298,532
% yield loss all factors	18.82%

	Total	Per Acre
Foliar Insecticides Costs	\$24,026,400	\$38.75
At Planting Costs	\$6,639,600	\$10.71
In-furrow costs	\$315,000	\$0.51
Scouting costs	\$5,340,600	\$8.61
Eradication costs	\$8,240,000	\$13.29
Transgenic cotton	\$16,348,038	\$26.37
Total Costs	\$60,909,638	\$98.24
Yield Lost to insects	\$44,797,502	\$72.25
Total Losses + Costs	\$105,707,140	\$170.50

