

Table 11B

Southeastern Arkansas

Cotton Insect Losses 2012

Pest	acres infested	Southeastern Arkansas		#apps/ tot acres	cost/ acre	%red	Bales lost
		acres treated	#apps/ acre trtd				
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	200,000	130,000	1.5	0.98	\$7.80	1.00%	6,433
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	200,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	200,000	200,000	6.5	6.50	\$58.50	4.95%	31,843
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	160,000	80,000	1.1	0.44	\$3.30	0.04%	257
Thrips	200,000	200,000	1.8	1.80	\$10.80	1.00%	6,433
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	100,000	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	200,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	140,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	200,000	40,000	1.0	0.20	\$1.60	0.00%	0
Banded Winged Whitefly	80,000	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	120,000	20,000	1.0	0.10	\$0.20	0.00%	0
Clouded Plant bugs	100,000	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	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
				10.02	\$82.20	6.99%	44,966

Yield & Management Results

Total Acres	200,000
Total bales Harvested	437,500
yield (lbs/acre)	1,050
Total bales Lost to Insects	44,966
Percent Yield Loss	6.99%
Yield w/o Insects (lbs/ac)	1,129
Ave. # Spray Applications	10.0
Bales lost all factors	205,882
% yield loss all factors	31.99%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$16,440,000	\$82.20
At Planting Costs	\$2,200,000	\$11.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$1,843,000	\$9.22
Eradication costs	\$2,400,000	\$12.00
Transgenic cotton	\$965,000	\$4.82
Total Costs	\$23,848,000	\$119.24
Yield Lost to insects	\$15,108,513	\$75.54
Total Losses + Costs	\$38,956,513	\$194.78