

Table 11b

## Southeast Arkansas

## Cotton Insect Losses 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	214,800	210,504	1.8	1.76	\$5.29	2.65%	15,360
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	64,440	0	0.0	0.00	\$0.00	0.00%	0
Lygus	214,800	206,208	2.5	2.40	\$16.80	3.40%	19,707
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	85,920	21,480	1.0	0.10	\$0.90	0.16%	927
Thrips	214,800	64,440	1.0	0.30	\$0.90	0.20%	1,159
Beet Armyworm	10,740	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	53,700	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	214,800	0	0.0	0.00	\$0.00	0.10%	580
Grasshoppers	42,960	2,148	1.0	0.01	\$0.03	0.01%	58
Saltmarsh Caterpillars	10,740	0	0.0	0.00	\$0.00	0.00%	0
Aphids	214,800	10,740	1.0	0.05	\$0.35	0.05%	290
Banded Winged Whitefly	21,480	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	10,740	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	21,480	10,740	1.0	0.05	\$0.15	0.01%	29
Clouded Plant bugs	21,480	0	0.0	0.00	\$0.00	0.00%	0
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
				4.67	\$24.42	6.58%	38,111

**Yield & Management Results**

Total Acres	214800
Total bales Harvested	492250
yield (lbs/acre)	1100
Total bales Lost to Insects	38111
Percent Yield Loss	6.58%
Yield w/o Insects (lbs/ac)	1177
Ave. # Spray Applications	4.674
Bales lost all factors	87379
% yield loss all factors	15.08%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$5,245,846	\$24.42
At Planting Costs	\$2,244,660	\$10.45
In-furrow costs	\$161,100	\$0.75
Scouting costs	\$1,875,204	\$8.73
Eradication costs	\$2,577,600	\$12.00
Transgenic cotton	\$4,669,546	\$21.74
Total Costs	\$16,773,955	\$78.09
Yield Lost to insects	\$15,000,337	\$69.83
Total Losses + Costs	\$31,774,292	\$147.93