

Table 11b

Southeast Arkansas

Cotton Insect losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	126,400	84,688	2	1.01	\$10.05	1.000%	3,687
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	75,840	1,264	1	0.01	\$0.10	0.060%	221
Loopers	25,280	0	0	0.00	\$0.00	0.000%	0
Cutworms	12,640	6,320	1	0.05	\$0.10	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	44,240	0	0	0.00	\$0.00	0.000%	0
Lygus	126,400	126,400	5	5.00	\$37.50	3.650%	13,459
Stink Bugs	126,400	3,792	1	0.03	\$0.23	0.000%	0
Clouded Plant bugs	18,960	0	0	0.00	\$0.00	0.000%	1
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	37,920	12,640	1	0.10	\$0.75	0.015%	55
Thrips	126,400	94,800	1	0.94	\$7.03	0.200%	737
Aphids	50,560	12,640	1	0.10	\$0.75	0.000%	0
Grasshoppers	6,320	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	31,600	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				7.23	\$56.51	4.925%	18,161

Yield & Management Results

Total Acres	126,400
Total bales Harvested	299,410
yield (lbs/acre)	1,137
Total bales Lost to Insects	18,161
Percent Yield Loss	4.93%
Yield w/o Insects (lbs/ac)	1,196
Ave. # Spray Applications	7.23
Bales lost all factors	69,322
% yield loss all factors	18.83%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$7,142,390	\$56.51
At Planting Costs	\$1,643,200	\$13.00
In-furrow costs	\$22,752	\$0.18
Scouting costs	\$1,137,600	\$9.00
Eradication costs	\$1,011,200	\$8.00
Transgenic cotton	\$2,467,194	\$19.52
Total Costs	\$13,424,336	\$106.21
Yield Lost to insects	\$6,450,638	\$51.03
Total Losses + Costs	\$19,874,974	\$157.24