

Table 11a

Northeast Arkansas

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	189,600	94,800	1	0.50	\$5.00	0.500%	2,765
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	113,760	9,480	1	0.05	\$0.50	0.114%	631
Loopers	18,960	0	0	0.00	\$0.00	0.000%	0
Cutworms	18,960	9,480	1	0.05	\$0.10	0.001%	6
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	66,360	0	0	0.00	\$0.00	0.000%	0
Lygus	189,600	189,600	6	6.00	\$45.00	3.950%	21,847
Stink Bugs	56,880	5,688	1	0.03	\$0.23	0.030%	166
Clouded Plant bugs	56,880	1,896	1	0.01	\$0.08	0.003%	17
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	56,880	18,960	1	0.10	\$0.75	0.000%	0
Thrips	189,600	142,200	1	0.98	\$7.31	0.200%	1,106
Aphids	75,840	18,960	1	0.10	\$0.75	0.000%	0
Grasshoppers	9,480	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	47,400	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
				7.82	\$59.71	4.798%	26,538

Yield & Management Results	
Total Acres	189,600
Total bales Harvested	449,115
yield (lbs/acre)	1,137
Total bales Lost to Insects	26,538
Percent Yield Loss	4.80%
Yield w/o Insects (lbs/ac)	1,194
Ave. # Spray Applications	7.82
Bales lost all factors	103,982
% yield loss all factors	18.80%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$11,321,490	\$59.71
At Planting Costs	\$2,464,800	\$13.00
In-furrow costs	\$34,128	\$0.18
Scouting costs	\$1,706,400	\$9.00
Eradication costs	\$1,516,800	\$8.00
Transgenic cotton	\$3,701,364	\$19.52
Total Costs	\$20,744,982	\$109.41
Yield Lost to insects	\$8,024,973	\$42.33
Total Losses + Costs	\$28,769,955	\$151.74