

Table 11a

Northeast Arkansas

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Bollworm/Budworm	153,750	105,319	2	1.03	\$12.33	0.700%	4,484
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	61,500	3,075	1	0.02	\$0.24	0.040%	256
Loopers	15,375	0	0	0.00	\$0.00	0.000%	0
Cutworms	10,763	3,075	1	0.02	\$0.04	0.001%	4
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	53,813	0	0	0.00	\$0.00	0.000%	0
Lygus	153,750	153,750	6	6.00	\$45.00	4.060%	26,009
Stink Bugs	38,438	0	0	0.00	\$0.00	0.000%	0
Clouded Plant bugs	46,125	1,538	1	0.01	\$0.08	0.003%	19
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	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	30,750	7,688	1	0.05	\$0.38	0.000%	0
Thrips	153,750	46,125	1	0.30	\$2.25	0.200%	1,281
Aphids	46,125	7,688	1	0.05	\$0.38	0.000%	0
Grasshoppers	7,688	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	15,375	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	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 Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				7.48	\$60.69	5.004%	32,055

Yield & Management Results	
Total Acres	153,750
Total bales Harvested	352,344
yield (lbs/acre)	1,100
Total bales Lost to Insects	32,055
Percent Yield Loss	5.00%
Yield w/o Insects (lbs/ac)	1,158
Ave. # Spray Applications	7.48
Bales lost all factors	288,281
% yield loss all factors	45.00%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$9,330,319	\$60.69
At Planting Costs		\$1,998,750	\$13.00
In-furrow costs		\$0	\$0.00
Scouting costs		\$1,706,400	\$11.10
Eradication costs		\$1,230,000	\$8.00
Transgenic cotton		\$2,950,770	\$19.19
Total Costs		\$17,216,239	\$111.98
Yield Lost to insects		\$9,693,418	\$63.05
Total Losses + Costs		\$26,909,657	\$175.02