

Table 11a

Northeast Arkansas

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	284,574	221,968	1	0.78	\$8.81	1.000%	11,857
Beet Armyworm	28,457	28	0	0.00	\$0.00	0.000%	0
Fall Armyworm	56,915	5,691	1	0.02	\$0.14	0.000%	0
Loopers	0	0	1	0.00	\$0.00	0.000%	0
Cutworms	85,372	14,229	1	0.05	\$0.15	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	14	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	256,117	0	0	0.00	\$0.00	0.000%	0
Lygus	284,574	284,574	4	4.00	\$32.00	3.560%	42,212
Stink Bugs	213,431	56,915	1	0.20	\$1.20	0.188%	2,223
Clouded Plant bugs	170,744	14,229	1	0.05	\$0.30	0.000%	0
Brown Stink bug	213,431	56,915	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	5	0	0	0.00	\$0.00	0.000%	0
Spider Mites	71,144	5,691	1	0.02	\$0.24	0.000%	0
Thrips	284,574	284,574	1	1.00	\$3.00	0.250%	2,964
Aphids	113,830	0	0	0.00	\$0.00	0.000%	0
Grasshoppers	0	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	71,144	2,846	1	0.01	\$0.10	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
				6.13	\$45.94	4.998%	59,257

Yield & Management Results	
Total Acres	284,574
Total bales Harvested	668,156
yield (lbs/acre)	1,127
Total bales Lost to Insects	59,257
Percent Yield Loss	5.00%
Yield w/o Insects (lbs/ac)	1,186
Ave. # Spray Applications	6.13
Bales lost all factors	517,569
% yield loss all factors	43.65%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$13,074,468	\$45.94
At Planting Costs	\$3,557,175	\$12.50
In-furrow costs	\$0	\$0.00
Scouting costs	\$1,992,018	\$7.00
Eradication costs	\$1,138,296	\$4.00
Transgenic cotton	\$2,280,633	\$8.01
Total Costs	\$22,042,590	\$77.46
Yield Lost to insects	\$17,919,198	\$62.97
Total Losses + Costs	\$39,961,788	\$140.43