

Table 11

Pest	Arkansas Summary			Cotton Insect Losses 2016			
	Acres Infested	Acres Treated	# of apps/acres treated	# of apps per total cot acres	cost/acre	Overall % reduction	bales lost per pest
Bollworm/Budworm	366,000	296,635	1	0.90	\$10.18	1.178%	17,963
Beet Armyworm	36,600	37	0	0.00	\$0.00	0.000%	0
Fall Armyworm	77,271	7,320	1	0.02	\$0.14	0.000%	0
Loopers	0	0	1	0.00	\$0.00	0.000%	0
Cutworms	109,800	18,300	1	0.05	\$0.15	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	8,157	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	329,400	0	0	0.00	\$0.00	0.000%	0
Lygus	366,000	366,000	4	4.00	\$32.00	3.604%	54,966
Stink Bugs	274,500	73,200	1	0.20	\$1.20	0.188%	2,859
Clouded Plant bugs	187,030	14,229	1	0.03	\$0.17	0.000%	0
Brown Stink bug	274,500	73,200	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	4,076	0	0	0.00	\$0.00	0.000%	0
Spider Mites	91,500	7,320	1	0.02	\$0.24	0.000%	0
Thrips	366,000	366,000	1	1.00	\$3.00	0.250%	3,812
Aphids	146,400	814	0	0.00	\$0.00	0.000%	0
Grasshoppers	0	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	75,215	2,846	1	0.01	\$0.09	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
				6.23	\$47.17	5.220%	79,601

Yield & Management Results	
Total Acres	366,000
Total bales Harvested	829,312
yield (lbs/acre)	1,088
Total bales Lost to Insects	79,601
Percent Yield Loss	5.22%
Yield w/o Insects (lbs/ac)	1,148
Ave. # Spray Applications	6.23
Bales lost all factors	695,618
% yield loss all factors	45.62%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$17,262,951	\$47.17
At Planting Costs		\$4,575,000	\$12.50
In-furrow costs		\$0	\$0.00
Scouting costs		\$2,724,852	\$7.44
Eradication costs		\$1,464,000	\$4.00
Transgenic cotton		\$2,918,093	\$7.97
Total Costs		\$28,944,896	\$79.08
Yield Lost to insects		\$24,071,332	\$65.77
Total Losses + Costs		\$53,016,228	\$144.85