

Table 11

Pest	Arkansas Summary			Cotton Insect Losses 2015			
	Acres Infested	Acres Treated	# of apps/acres treated	# of apps per total cot acres	cost/acre	Overall % reduction	bales lost per pest
Bollworm/Budworm	205,000	139,656	2	1.02	\$11.76	0.625%	5,339
Beet Armyworm	0	0	0	0.77	\$0.00	0.000%	0
Fall Armyworm	84,563	3,588	0	0.00	\$0.00	0.000%	256
Loopers	23,063	0	0	0.02	\$0.00	0.030%	0
Cutworms	15,888	4,100	0	0.01	\$0.00	0.000%	4
Cotton Leafperforator	0	0	0	0.02	\$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	71,750	0	0	0.00	\$0.00	0.000%	0
Lygus	205,000	205,000	6	5.88	\$44.06	3.920%	33,483
Stink Bugs	64,063	0	0	0.00	\$0.00	0.000%	0
Clouded Plant bugs	53,813	1,538	1	0.01	\$0.06	0.002%	20
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.01	\$0.00	0.000%	0
Leaf footed bugs	15,375	4,100	1	0.02	\$0.15	0.001%	6
Spider Mites	82,000	23,063	1	0.09	\$0.47	0.025%	214
Thrips	169,125	48,688	0	0.01	\$0.00	0.150%	1,281
Aphids	48,688	7,688	1	0.04	\$0.28	0.000%	0
Grasshoppers	12,813	0	0	0.04	\$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
				7.92	\$56.79	4.753%	40,603

Yield & Management Results	
Total Acres	205,000
Total bales Harvested	477,799
yield (lbs/acre)	1,119
Total bales Lost to Insects	40,603
Percent Yield Loss	4.75%
Yield w/o Insects (lbs/ac)	1,175
Ave. # Spray Applications	7.92
Bales lost all factors	376,176
% yield loss all factors	44.05%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$11,641,900	\$56.79
At Planting Costs	\$2,665,000	\$13.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$2,167,650	\$10.57
Eradication costs	\$1,640,000	\$8.00
Transgenic cotton	\$3,936,255	\$19.20
Total Costs	\$22,050,805	\$107.56
Yield Lost to insects	\$12,278,452	\$59.89
Total Losses + Costs	\$34,329,257	\$167.46