

Table 11

Arkansas Summary

Cotton Insect losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	316,000	179,488	1	0.70	\$7.02	0.700%	6,453
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	189,600	10,744	1	0.03	\$0.34	0.092%	852
Loopers	44,240	0	0	0.00	\$0.00	0.000%	0
Cutworms	31,600	15,800	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	110,600	0	0	0.00	\$0.00	0.000%	0
Lygus	316,000	316,000	6	5.60	\$42.00	3.830%	35,306
Stink Bugs	183,280	9,480	1	0.03	\$0.23	0.018%	166
Clouded Plant bugs	75,840	1,896	1	0.01	\$0.05	0.002%	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	94,800	31,600	1	0.10	\$0.75	0.006%	55
Thrips	316,000	237,000	1	0.96	\$7.20	0.200%	1,844
Aphids	126,400	31,600	1	0.10	\$0.75	0.000%	0
Grasshoppers	15,800	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	79,000	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
				7.58	\$58.43	4.849%	44,698

Yield & Management Results	
Total Acres	316,000
Total bales Harvested	748,525
yield (lbs/acre)	1,137
Total bales Lost to Insects	44,698
Percent Yield Loss	4.85%
Yield w/o Insects (lbs/ac)	1,195
Ave. # Spray Applications	7.58
Bales lost all factors	173,304
% yield loss all factors	18.81%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$18,463,880	\$58.43
At Planting Costs	\$4,108,000	\$13.00
In-furrow costs	\$56,880	\$0.18
Scouting costs	\$2,844,000	\$9.00
Eradication costs	\$2,528,000	\$8.00
Transgenic cotton	\$6,168,558	\$19.52
Total Costs	\$34,169,318	\$108.13
Yield Lost to insects	\$14,460,758	\$45.76
Total Losses + Costs	\$48,630,076	\$153.89