

Table 11b

Arkansas Southeast

Cotton Insect Losses 2011

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	220,000	198,000	2.5	2.25	\$6.75	3.00%	17,188
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	154,000	0	0.0	0.00	\$0.00	0.00%	0
Lygus	220,000	220,000	5.0	5.00	\$35.00	4.00%	22,917
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	88,000	22,000	1.0	0.10	\$0.90	0.10%	573
Thrips	220,000	176,000	1.3	1.04	\$3.12	0.50%	2,865
Beet Armyworm	17,600	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	110,000	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	187,000	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	132,000	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	44,000	0	0.0	0.00	\$0.00	0.00%	0
Aphids	198,000	11,000	1.0	0.05	\$0.35	0.00%	0
Banded Winged Whitefly	11,000	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	17,600	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	33,000	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	22,000	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				8.44	\$46.12	7.60%	43,542

Yield & Management Results	
Total Acres	220,000
Total bales Harvested	412,500
yield (lbs/acre)	900
Total bales Lost to Insects	43,542
Percent Yield Loss	7.60%
Yield w/o Insects (bs/ac)	974
Ave. # Spray Applications	8.44
Bales lost all factors	137,500
% yield loss all factors	24.0%

	Total	Per Acre
Foliar Insecticides Costs	\$10,146,400	\$46.12
At Planting Costs	\$2,371,600	\$10.78
In-furrow costs	\$165,000	\$0.75
Scouting costs	\$1,920,600	\$8.73
Eradication costs	\$2,640,000	\$12.00
Transgenic cotton	\$6,322,118	\$28.74
Total Costs	\$23,565,718	\$107.12
Yield Lost to insects	\$18,810,000	\$85.50
Total Losses + Costs	\$42,375,718	\$192.62

