

Table 18

Missouri

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	0.000	\$0.00	0.00%	0
Bollworm/Budworm	56,250	3,750	1	0.010	\$0.05	0.06%	543
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	37,500	0	0	0.000	\$0.00	0.00%	0
Lygus	375,000	225,000	1	0.720	\$4.32	0.80%	7,242
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	375,000	262,500	2	1.050	\$9.45	0.20%	1,810
Thrips	37,500	18,750	1	0.050	\$0.18	0.07%	634
Beet Armyworm	1,125	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	3,750	0	0	0.000	\$0.00	0.00%	0
European Comborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	18,750	3,750	1	0.010	\$0.06	0.01%	45
Grasshoppers	375	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	75,000	0	0	0.000	\$0.00	0.00%	18
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	18,750	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.00%	0
Cutworms	0	0	0	0.000	\$0.00	0.00%	0
Clouded Plant bugs	18,750	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				1.840	\$14.06	1.14%	10,292

Yield & Management Results

Total Acres	375,000
Total bales Harvested	883,594
yield (lbs/acre)	1,131
Total bales Lost to Insects	10,292
Percent Yield Loss	1.14%
Yield w/o Insects (lbs/ac)	1,144
Ave. # Spray Applications	1.84
Bales lost all factors	21,616
% yield loss all factors	2.39%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$5,270,625	\$14.06
At Planting Costs	\$3,712,500	\$9.90
In-furrow costs	\$735,000	\$1.96
Scouting costs	\$2,700,000	\$7.20
Eradication costs	\$375,000	\$1.00
Transgenic cotton	\$7,931,992	\$21.15
Total Costs	\$20,725,117	\$55.27
Yield Lost to insects	\$4,940,275	\$13.17
Total Losses + Costs	\$25,665,392	\$68.44

