

Table 18

## Missouri Cotton Insect Losses 2012

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	87,500	35,000	1	0.100	\$0.50	0.25%	2,460
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0	0.000	\$0.00	0.00%	0
Lygus	350,000	346,500	3	2.970	\$19.31	4.00%	39,358
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	35,000	35,000	2	0.200	\$1.25	0.10%	984
Thrips	210,000	140,000	1	0.400	\$1.20	0.45%	4,428
Beet Armyworm	17,500	7,000	1	0.020	\$0.24	0.05%	492
Fall Armyworm	17,500	7,000	1	0.020	\$0.24	0.05%	492
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	17,500	3,500	1	0.010	\$0.05	0.05%	492
Grasshoppers	0	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	7,000	0	0	0.000	\$0.00	0.02%	197
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	0	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	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				3.720	\$22.79	4.97%	48,902

**Yield & Management Results**

Total Acres	350,000
Total bales Harvested	689,063
yield (lbs/acre)	945
Total bales Lost to Insects	48,902
Percent Yield Loss	4.97%
Yield w/o Insects ( bs/ac)	994
Ave. # Spray Applications	3.72
Bales lost all factors	294,891
% yield loss all factors	29.97%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$7,974,750	\$22.79
At Planting Costs	\$5,250,000	\$15.00
In-furrow costs	\$17,500	\$0.05
Scouting costs	\$2,380,000	\$6.80
Eradication costs	\$1,750,000	\$5.00
Transgenic cotton	\$8,118,180	\$23.19
Total Costs	\$25,490,430	\$72.83
Yield Lost to insects	\$15,257,574	\$43.59
Total Losses + Costs	\$40,748,004	\$116.42