

**Table 16**

**Missouri**

**Cotton Insect Losses 2008**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	15,350	3,070	1.00	0.010	\$0.05	0.005%	34
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0.00	0.000	\$0.00	0.000%	0
Lygus	307,000	282,440	1.90	1.748	\$8.36	0.250%	1,685
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	230,250	184,200	1.00	0.600	\$9.48	0.188%	1,264
Thrips	30,700	15,350	1.00	0.050	\$0.18	0.010%	67
Beet Armyworm	30,700	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	15,350	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	15,350	3,070	1.00	0.010	\$0.03	0.003%	17
Grasshoppers	0	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	0	0	0.00	0.000	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	0	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	0	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	307,000
Total bales Harvested	670,283
Yield (lbs/acre)	1,048
Total bales Lost to Insects	3,067
Percent Yield Loss	0.46%
Yield w/o Insects (lbs/acre)	1,053
Ave. # Spray Applications	2.418
Yield loss to all factors	13,186
% Yield loss to all factors	1.956%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$5,553,765	\$18.09
At Planting Costs	\$3,315,600	\$10.80
Scouting costs	\$2,210,400	\$7.20
Eradication costs	\$1,535,000	\$5.00
Transgenic cotton	\$8,120,150	\$26.45
Total Costs	\$20,734,915	\$67.54
Yield Lost to insects	\$956,982	\$3.12
Total Losses + Costs	\$21,691,897	\$70.66