

Table 18

Missouri

Cotton Insect Losses - 2013

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	0	0	1	0.000	\$0.00	0.00%	0
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	260,000	260,000	7	7.000	\$45.50	4.00%	29,095
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	20,000	20,000	1	0.077	\$0.48	0.08%	560
Thrips	240,000	230,000	3	2.654	\$7.96	0.92%	6,714
Beet Armyworm	15,000	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	15,000	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	75,000	5,000	0	0.000	\$0.00	0.00%	0
Grasshoppers	0	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	5,000	0	0	0.000	\$0.00	0.00%	0
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	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
				9.731	\$53.94	5.00%	36,369

Yield & Management Results	
Total Acres	260,000
Total bales Harvested	509,167
yield (lbs/acre)	940
Total bales Lost to Insects	36,369
Percent Yield Loss	5.00%
Yield w/o Insects (lbs/ac)	989
Ave. # Spray Applications	9.73
Bales lost all factors	218,214
% yield loss all factors	30.00%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$14,025,000	\$53.94
At Planting Costs	\$3,900,000	\$15.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$1,768,000	\$6.80
Eradication costs	\$1,300,000	\$5.00
Transgenic cotton	\$8,060,000	\$31.00
Total Costs	\$29,053,000	\$111.74
Yield Lost to insects	\$13,965,714	\$53.71
Total Losses + Costs	\$43,018,714	\$165.46