

Table 18

Missouri Summary

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	11,470	7,750	1.0	0.025	\$0.13	0.00%	0
Pink Bollworm	0	0	0.0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	38,750	38,750	1.0	0.125	\$0.63	0.00%	0
Lygus	310,000	261,020	2.4	2.021	\$10.51	1.00%	7,301
Cotton Leaf Perforator	0	0	0.0	0.000	\$0.00	0.00%	0
Spider Mites	37,820	34,410	1.7	0.189	\$1.12	1.22%	8,907
Thrips	186,000	182,280	1.9	1.117	\$4.84	0.00%	0
Beet Armyworm	1,550	1,550	1.0	0.005	\$0.03	0.00%	0
Fall Armyworm	55,800	55,800	1.0	0.180	\$1.35	0.00%	0
European Cornborer	0	0	0.0	0.000	\$0.00	0.00%	0
Stink Bugs	31,620	31,620	1.7	0.170	\$0.97	0.05%	372
Grasshoppers	0	0	0.0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.000	\$0.00	0.00%	0
Aphids	46,810	46,810	1.7	0.252	\$1.26	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.000	\$0.00	0.00%	0
Loopers	13,950	0	0.0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.000	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.000	\$0.00	0.00%	0
Clouded Plant bugs	46,500	46,500	1.0	0.150	\$0.75	0.00%	0
Other Insects 1	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.000	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.000	\$0.00	0.00%	0
				4.234	\$21.57	2.27%	16,580

Yield & Management Results

Total Acres	310000
Total bales Harvested	692333
yield (lbs/acre)	1072
Total bales Lost to Insects	16580
Percent Yield Loss	2.27%
Yield w/o Insects (lbs/ac)	1097
Ave. # Spray Applications	4.234
Bales lost all factors	37753
% yield loss all factors	5.17%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$6,685,554	\$21.57
At Planting Costs	\$3,881,634	\$12.52
In-furrow costs	\$1,408,733	\$4.54
Scouting costs	\$2,564,320	\$8.27
Eradication costs	\$0	\$0.00
Transgenic cotton	\$10,162,110	\$32.78
Total Costs	\$24,702,351	\$79.69
Yield Lost to insects	\$7,958,522	\$25.67
Total Losses + Costs	\$32,660,874	\$105.36