

Table 15

Kansas

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	5,250	3,500	1.0	0.10	\$1.20	0.15%	87
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	15,750	7,000	1.0	0.20	\$2.40	0.90%	521
Lygus	5,250	700	1.0	0.02	\$0.24	0.15%	87
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	0	0	0.0	0.00	\$0.00	0.00%	0
Thrips	17,500	12,250	1.0	0.35	\$1.93	2.00%	1,159
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	4	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	0	0	0.0	0.00	\$0.00	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				0.67	\$5.77	3.20%	1854

Yield & Management Results	
Total Acres	35,000
Total bales Harvested	47,396
Yield (lbs/acre)	650
Total bales Lost to Insects	1,854
Percent Yield Loss	3.20%
Yield w/o Insects (lbs/acre)	671
Ave. # Spray Applications	0.670
Yield loss to all factors	10,545
% Yield loss to all factors	18.2%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$201,775	\$5.77
At Planting Costs	\$0	\$0.00
Scouting costs	\$140,000	\$4.00
Eradication costs	\$0	\$0.00
Transgenic cotton	\$489,974	\$14.00
Total Costs	\$831,749	\$23.76
Yield Lost to insects	\$578,484	\$16.53
Total Losses + Costs	\$1,410,233	\$40.29