

Table 18

Pest	acres infested	acres treated	Missouri Summary		Cotton Insect losses 2014		
			#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	246,000	246,000	0.41	0.41	\$3.29	2.500%	25,335
Beet Armyworm	0	0	0.00	0.00	\$0.00	0.000%	0
Fall Armyworm	73,800	73,800	0.41	1.00	\$8.00	0.750%	7,601
Loopers	0	0	0.00	0.00	\$0.00	0.000%	0
Cutworms	0	246,000	0.41	0.41	\$3.29	0.000%	0
Saltmarsh Caterpillar	0	0	0.00	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0.00	0.00	\$0.00	0.000%	0
Cotton Fleahopper	246,000	246,000	0.41	0.41	\$3.29	2.000%	20,268
Lygus	246,000	246,000	3.29	3.29	\$26.32	9.000%	91,208
Stink Bugs	246,000	246,000	0.82	0.82	\$6.58	3.000%	30,403
Clouded Plant bugs	73,800	73,800	0.12	0.04	\$0.30	0.300%	3,040
Other Bugs	0	0	0.00	0.00	\$0.00	0.000%	0
Bagrada Bug	0	0	0.00	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	0	0	0.00	0.00	\$0.00	0.000%	0
Spider Mites	246,000	246,000	1.23	3.00	\$24.00	0.500%	5,067
Thrips	246,000	246,000	0.41	0.41	\$3.29	3.000%	30,403
Aphids	36,900	36,900	0.06	0.01	\$0.07	0.150%	1,520
Grasshoppers	101	12,300	0.41	1.00	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	0	0	0.00	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0.00	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetle	0	0	0.00	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0.00	0.00	\$0.00	0.000%	0
				10.80	\$78.44	21.200%	214,845

Yield & Management Results	
Total Acres	246,000
Total bales Harvested	717500
yield (lbs/acre)	1400
Total bales Lost to Insects	214845
Percent Yield Loss	21.20%
Yield w/o Insects (lbs/ac)	1777
Ave. # Spray Applications	10.80
Bales lost all factors	295918
% yield loss all factors	29.20%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$19,295,506	\$78.44
At Planting Costs	\$3,198,000	\$13.00
In-furrow costs	\$296,400	\$1.20
Scouting costs	\$2,103,300	\$8.55
Eradication costs	\$1,230,000	\$5.00
Transgenic cotton	\$4,721,212	\$19.19
Total Costs	\$30,844,419	\$125.38
Yield Lost to insects	\$66,000,271	\$268.29
Total Losses + Costs	\$96,844,690	\$393.68