

Table 17 Missouri Cotton Insect Losses – 2005

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	240,500	80,560	0.051	\$12.13	\$0.62	0.27	3,758
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	40,000	0	0.000	N/A	\$0.00	0.00	0
Lygus	400,000	285,000	0.648	\$7.20	\$4.66	0.23	3,125
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	225,100	50,050	0.046	\$13.00	\$0.59	0.13	1,759
Thrips	415,000	385,000	0.350	\$4.00	\$1.40	0.24	3,242
Beet Armyworm	5,000	4,000	0.003	\$10.00	\$0.03	0.00	0
Fall Armyworm	5,000	2,000	0.001	\$10.00	\$0.01	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	150,000	25,000	0.011	\$7.50	\$0.09	0.00	0
Grasshoppers	1,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	5,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	50,000	5,000	0.000	\$7.50	\$0.00	0.00	0
Banded Winged Whitefly	15,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	30,000	10,000	0.007	\$3.33	\$0.02	0.00	0
Percent Lost	0.86		Est. yield/acre	988			Cost/ Acre
						Foliar insecticide	\$7.42

Total Acres	440,000	Spray applications	1.117	At planting	\$0.32
				Bt use fees	\$5.88
		Cost + loss	\$17,001,064	Eradication	\$12.65
Total Bales lost	11,884			Scouting	\$4.59
Bales lost in dollars	\$3,422,475	Cost + loss/acre	\$38.64	Total	\$30.86