

Table 18

## Missouri Summary

Cotton Insect losses 2015

<b>Pest</b>	<b>acres infested</b>	<b>acres treated</b>	<b>#apps/ acre trtd</b>	<b>#apps/ tot acres</b>	<b>cost/ acre</b>	<b>%red</b>	<b>Bales lost</b>
Bollworm/Budworm	166,500	185,000	1	0.50	\$5.50	2.250%	14,668
Beet Armyworm	14,800	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	55,500	55,500	1	0.15	\$1.65	0.900%	5,867
Loopers	9,250	0	0	0.00	\$0.00	0.000%	0
Cutworms	14,800	185,000	1	1.00	\$11.00	0.160%	1,043
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	148,000	185,000	5	5.00	\$40.00	2.800%	18,253
Lygus	185,000	185,000	5	5.00	\$40.00	10.000%	65,191
Stink Bugs	111,000	185,000	2	2.00	\$16.00	1.800%	11,734
Clouded Plant bugs	27,750	55,500	1	0.30	\$2.40	0.150%	978
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	37,000	185,000	1	3.00	\$24.00	0.100%	652
Thrips	185,000	185,000	1	1.00	\$5.00	2.500%	16,298
Aphids	14,800	14,800	1	0.08	\$0.64	0.080%	522
Grasshoppers	9,250	9,250	1	1.00	\$8.00	0.000%	0
Banded Winged Whitefly	3,700	3,700	1	0.02	\$0.16	0.000%	0
Silverleaf Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				19.05	\$154.35	20.740%	135,205

<b>Yield &amp; Management Results</b>	
<b>Total Acres</b>	185,000
<b>Total bales Harvested</b>	412,396
<b>yield (lbs/acre)</b>	1,070
<b>Total bales Lost to Insects</b>	135,205
<b>Percent Yield Loss</b>	20.74%
<b>Yield w/o Insects (lbs/ac)</b>	1,350
<b>Ave. # Spray Applications</b>	19.05
<b>Bales lost all factors</b>	239,510
<b>% yield loss all factors</b>	36.74%

<b>Economic Results</b>		
	<b>Total</b>	<b>Per Acre</b>
<b>Foliar Insecticides Costs</b>	\$28,554,750	\$154.35
<b>At Planting Costs</b>	\$2,590,000	\$14.00
<b>In-furrow costs</b>	\$203,368	\$1.10
<b>Scouting costs</b>	\$1,480,000	\$8.00
<b>Eradication costs</b>	\$925,000	\$5.00
<b>Transgenic cotton</b>	\$3,566,923	\$19.28
<b>Total Costs</b>	\$37,320,041	\$201.73
<b>Yield Lost to insects</b>	\$38,290,151	\$206.97
<b>Total Losses + Costs</b>	\$75,610,192	\$408.70