

Table 27

Midsouth Area States Summary

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	821,750	609,656	1	0.73	\$8.69	1.380%	58,170
Beet Armyworm	14,800	0	0	0.16	\$0.00	0.000%	0
Fall Armyworm	350,763	88,888	0	0.06	\$0.26	0.272%	9,225
Loopers	36,613	0	0	0.00	\$0.00	0.006%	0
Cutworms	132,688	310,600	1	0.31	\$1.23	0.038%	1,273
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	249,750	199,000	3	0.94	\$4.61	0.529%	18,349
Lygus	983,900	947,800	5	4.57	\$42.28	5.339%	203,245
Stink Bugs	544,813	259,500	1	0.45	\$3.05	0.537%	17,320
Clouded Plant bugs	193,313	60,588	1	0.06	\$0.45	0.246%	7,207
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	15,375	4,100	1	0.00	\$0.03	0.000%	6
Spider Mites	382,375	420,350	1	0.93	\$10.55	0.699%	29,859
Thrips	862,000	514,063	1	0.58	\$3.72	0.978%	30,693
Aphids	513,425	145,838	1	0.10	\$0.55	0.100%	3,496
Grasshoppers	65,338	16,938	1	0.20	\$1.31	0.000%	0
Banded Winged Whitefly	30,675	3,700	0	0.00	\$0.00	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	1.65	\$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
				9.10	\$76.75	10.124%	378,838

Yield & Management Results	
Total Acres	985,000
Total bales Harvested	2,192,081
yield (lbs/acre)	1,068
Total bales Lost to Insects	378,838
Percent Yield Loss	10.12%
Yield w/o Insects (lbs/ac)	1,189
Ave. # Spray Applications	9.10
Bales lost all factors	1,388,680
% yield loss all factors	36.59%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$75,593,911	\$76.75
At Planting Costs		\$11,610,000	\$11.79
In-furrow costs		\$294,043	\$0.30
Scouting costs		\$7,962,350	\$8.08
Eradication costs		\$4,887,500	\$4.96
Transgenic cotton		\$21,876,011	\$22.21
Total Costs		\$122,223,814	\$124.09
Yield Lost to insects		\$112,455,945	\$114.17
Total Losses + Costs		\$234,679,759	\$238.25