

Table 8

US Summary

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	3,879,473	901,891	1	0.12	\$1.17	0.462%	104,983
Beet Armyworm	670,536	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	538,083	89,310	1	0.01	\$0.07	0.033%	9,230
Loopers	72,288	516	0	0.00	\$0.00	0.000%	0
Cutworms	208,628	313,052	1	0.04	\$0.29	0.005%	1,334
Cotton Leafperforator	608	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	2,446	86	1	0.00	\$0.00	0.000%	0
Verde Plant Bugs	79,170	75,400	1	0.01	\$0.04	0.006%	914
Cotton Fleahopper	2,134,131	720,663	2	0.20	\$1.28	0.353%	59,937
Lygus	3,435,570	1,763,699	3	0.71	\$6.75	0.787%	238,507
Stink Bugs	4,693,564	2,102,955	2	0.46	\$3.15	0.436%	92,481
Clouded Plant bugs	327,213	86,890	1	0.01	\$0.08	0.031%	7,499
Brown Stink bug	26,540	2,349	2	0.00	\$0.01	0.002%	701
Bagrada Bugs	2,248	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	45,275	12,600	1	0.00	\$0.01	0.001%	232
Spider Mites	1,705,143	774,923	1	0.11	\$1.29	0.143%	42,013
Thrips	6,625,190	2,055,538	1	0.28	\$1.41	0.831%	147,602
Aphids	3,112,998	615,648	1	0.07	\$0.63	0.180%	26,316
Grasshoppers	2,626,738	232,966	1	0.03	\$0.19	0.012%	1,813
Banded Winged Whitefly	654,650	22,900	1	0.00	\$0.01	0.000%	0
Silverleaf Whitefly	264,430	120,399	2	0.02	\$0.55	0.008%	2,501
Darkling Beetle	14,399	1,768	1	0.00	\$0.00	0.000%	11
Pale-striped Flea Beetles	31,220	3,553	1	0.00	\$0.00	0.000%	56
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	4,548	0	0	0.00	\$0.00	0.000%	15
Boll Weevils	24,995	0	0	0.00	\$0.00	0.000%	0
				1.96	\$15.75	2.83%	631,162

Yield & Management Results	
Total Acres	8,201,089
Total bales Harvested	13,169,446
yield (lbs/acre)	771
Total bales Lost to Insects	631,162
Percent Yield Loss	2.83%
Yield w/o Insects (lbs/ac)	793
Ave. # Spray Applications	1.96
Bales lost all factors	4,746,507
% yield loss all factors	29.41%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$16,075,414	\$1.96	
At Planting Costs	\$70,766,635	\$8.63	
In-furrow costs	\$4,386,600	\$0.53	
Scouting costs	\$32,626,473	\$3.98	
Eradication costs	\$22,283,008	\$2.72	
Transgenic cotton	\$82,464,762	\$10.06	
Total Costs	\$228,602,893	\$27.87	
Yield Lost to insects	\$176,904,442	\$21.57	
Total Losses + Costs	\$405,507,335	\$49.45	
PBW erad	\$6.26	Bwev erad	\$2.57