

Table 8

US Summary

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	3,709,377	1,480,156	1	0.18	\$1.86	0.413%	117,118
Beet Armyworm	130,088	934	0	0.00	\$0.00	0.000%	29
Fall Armyworm	571,926	140,556	1	0.01	\$0.10	0.062%	21,604
Loopers	122,325	0	0	0.00	\$0.00	0.000%	0
Cutworms	305,759	494,839	1	0.05	\$0.18	0.000%	100
Cotton Leafperforator	6,648	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	32,104	982	1	0.00	\$0.00	0.000%	68
Verde Plant Bugs	157,780	75,460	1	0.01	\$0.05	0.002%	52
Cotton Fleahopper	6,229,625	1,355,471	1	0.16	\$0.76	0.091%	16,439
Lygus	4,906,100	2,374,603	3	0.74	\$6.62	0.734%	260,154
Stink Bugs	4,390,201	2,623,231	2	0.44	\$2.95	0.640%	164,558
Clouded Plant bugs	363,648	104,340	1	0.01	\$0.05	0.023%	8,141
Brown Stink bug	705,959	76,415	0	0.00	\$0.00	0.005%	1,962
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	252,778	7,140	1	0.00	\$0.00	0.000%	42
Spider Mites	2,066,204	687,779	1	0.09	\$1.03	0.120%	40,813
Thrips	9,477,763	3,340,547	1	0.37	\$2.14	0.423%	120,286
Aphids	3,054,545	498,525	1	0.05	\$0.31	0.017%	5,949
Grasshoppers	1,597,856	81,983	1	0.01	\$0.04	0.000%	19
Banded Winged Whitefly	495,141	5,621	1	0.00	\$0.01	0.027%	5,631
Silverleaf Whitefly	465,999	214,807	2	0.03	\$0.78	0.037%	12,338
Darkling Beetle	2,906	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	14,475	3,244	1	0.00	\$0.00	0.000%	85
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	982	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	68,600	0	0	0.00	\$0.00	0.000%	0
				2.14	\$16.89	2.60%	775,389

Yield & Management Results	
Total Acres	9,811,171
Total bales Harvested	17,618,236
yield (lbs/acre)	862
Total bales Lost to Insects	775,389
Percent Yield Loss	2.60%
Yield w/o Insects (lbs/ac)	885
Ave. # Spray Applications	2.14
Bales lost all factors	3,885,548
% yield loss all factors	20.07%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$21,038,620	\$2.14	
At Planting Costs	\$69,297,222	\$7.06	
In-furrow costs	\$6,435,758	\$0.66	
Scouting costs	\$31,094,233	\$3.17	
Eradication costs	\$50,358,951	\$5.13	
Transgenic cotton	\$155,835,898	\$15.88	
Total Costs	\$334,060,683	\$34.05	
Yield Lost to insects	\$235,411,881	\$23.99	
Total Losses + Costs	\$569,472,563	\$58.04	
PBW erad	\$6.55	Bwev erad	\$5.02