

Table 8

US Summary

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	3,825,075	1,149,483	1	0.11	\$1.04	0.319%	140,041
Beet Armyworm	86,466	685	1	0.00	\$0.00	0.000%	0
Fall Armyworm	767,229	130,329	1	0.01	\$0.06	0.042%	15,563
Loopers	448,836	516	0	0.00	\$0.00	0.000%	0
Cutworms	238,382	480,357	1	0.03	\$0.16	0.001%	426
Saltmarsh Caterpillar	8,926	0	0	0.00	\$0.00	0.000%	0
Cotton Leaf-perforator	1,269	0	0	0	0	0	44
Verde Plant bug	195,454	147,065	1	0	0	0	1,466
Cotton Fleahopper	4,081,371	1,286,827	1	0.17	\$1.01	0.134%	37,836
Lygus	4,706,681	2,255,716	3	0.67	\$6.36	0.829%	333,329
Stink Bugs	6,133,571	2,774,959	2	0.40	\$2.76	0.411%	130,905
Clouded Plant bugs	755,990	196,908	1	0.01	\$0.09	0.036%	11,897
Brown Stink bug	100,058	9,580	1	0.00	\$0.02	0.008%	3,644
Bagrada Bug	1,029	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	16,353	0	0	0.00	\$0.00	0.000%	37
Spider Mites	2,388,213	1,262,384	1	0.13	\$1.14	0.118%	39,169
Thrips	7,808,224	5,546,505	1	0.52	\$1.96	0.417%	150,479
Aphids	5,006,040	511,078	1	0.04	\$0.36	0.036%	8,399
Grasshoppers	3,186,783	529,768	1	0.05	\$0.46	0.012%	2,341
Banded Winged Whitefly	823,859	52,030	1	0.00	\$0.01	0.000%	0
Silverleaf Whitefly (Bemisia)	709,855	1,145,639	1	0.11	\$1.70	0.012%	4,870
Darkling Beetle	14,701	83	0	0.00	\$0.00	0.001%	284
Pale-striped Flea Beetle	64,129	83	1	0.00	\$0.00	0.000%	0
Boll Weevil	47,440	18,976	6	0	0	0	0
Green June Beetles	166	0	0	0	0	0	0
				2.28	\$17.21	2.384%	880,729

Yield & Management Results	
Total Acres	10,931,091
Total bales Harvested	20,351,385
yield (lbs/acre)	894
Total bales Lost to Insects	880,729
Percent Yield Loss	2.38%
Yield w/o Insects (lbs/ac)	915
Ave. # Spray Applications	2.28
Bales lost all factors	6,321,399
% yield loss all factors	23.70%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$24,898,595	\$2.28	
At Planting Costs	\$92,185,900	\$8.43	
In-furrow costs	\$7,235,174	\$0.66	
Scouting costs	\$48,460,701	\$4.43	
Eradication costs	\$33,534,340	\$3.07	
Transgenic cotton	\$166,075,261	\$15.19	
Total Costs	\$372,389,972	\$34.07	
Yield Lost to insects	\$274,505,188	\$25.11	
Total Losses + Costs	\$646,895,160	\$59.18	
PBW erad	\$0.08	Bwev erad	\$2.99