

Table 12

California

Cotton Insect Losses 2010

Pest	#apps/ acre			#apps/ tot acres	cost/ acre	%red	Bales lost
	acres infested	acres treated	trtd				
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	227,298	0	0	0.000	\$0.00	0.00%	0
Pink Bollworm	18,184	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0	0.000	\$0.00	0.00%	0
Lygus	431,865	409,136	3	2.250	\$67.50	3.80%	57,874
Cotton Leaf Perforator	18,184	0	0	0.000	\$0.00	0.00%	0
Spider Mites	409,136	295,487	1	0.650	\$19.50	0.09%	1,371
Thrips	431,865	227,298	1	0.250	\$0.00	0.00%	0
Beet Armyworm	363,676	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	0	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	0	0	0	0.000	\$0.00	0.00%	0
Grasshoppers	0	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	68,189	0	0	0.000	\$0.00	0.00%	0
Aphids	409,136	90,919	0	0.060	\$1.50	0.05%	685
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	272,757	22,730	0	0.008	\$0.23	0.03%	457
Loopers	45,460	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.00%	0
Cutworms	0	0	0	0.000	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				3.218	\$88.73	3.97%	60,387

Economic Results

Yield & Management Results	
Total Acres	454,595
Total bales Harvested	1,288,966
yield (lbs/acre)	1,361
Total bales Lost to Insects	60,387
Percent Yield Loss	3.97%
Yield w/o Insects (lbs/ac)	1,417
Ave. # Spray Applications	3.22
Bales lost all factors	234,022
% yield loss all factors	15.4%

	Total	Per Acre
Foliar Insecticides Costs	\$40,334,055	\$88.73
At Planting Costs	\$4,091,355	\$9.00
In-furrow costs	\$818,271	\$1.80
Scouting costs	\$2,045,678	\$4.50
Eradication costs	\$2,577,932	\$5.67
Transgenic cotton	\$167,473	\$0.37
Total Costs	\$50,034,764	\$110.06
Yield Lost to insects	\$36,231,901	\$79.70
Total Losses + Costs	\$86,266,665	\$189.77

