

Table 10

California

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	13,400	0	0.00	0.000	\$0.00	0.000%	0
Pink Bollworm	10,720	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0.00	0.000	\$0.00	0.000%	0
Lygus	241,200	134,000	1.25	0.625	\$15.63	2.700%	24,226
Cotton Leaf Perforator	2,680	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	241,200	201,000	1.00	0.750	\$22.50	0.090%	808
Thrips	265,320	134,000	1.00	0.500	\$0.00	0.000%	0
Beet Armyworm	134,000	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Grasshoppers	0	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	241,200	5,360	1.00	0.020	\$0.50	0.045%	404
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	160,800	13,400	1.20	0.060	\$2.10	0.030%	269
Loopers	26,800	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	0	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	268,000
Total bales Harvested	800,092
Yield (lbs/acre)	1,433
Total bales Lost to Insects	25,707
Percent Yield Loss	2.87%
Yield w/o Insects (lbs/acre)	1,475
Ave. # Spray Applications	1.96
Yield loss to all factors	97,184
% Yield loss to all factors	8.67%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$10,914,434	\$40.73
At Planting Costs	\$2,211,000	\$8.25
Scouting costs	\$2,412,000	\$9.00
Eradication costs	\$1,600,183	\$5.97
Transgenic cotton	\$0	\$0.00
Total Costs	\$17,137,617	\$63.95
Yield Lost to insects	\$13,141,391	\$49.04
Total Losses + Costs	\$30,279,008	\$112.98