

Table 12

California

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	1,901	0	0.0	0.00	\$0.00	0.00%	0
Pink Bollworm	5,702	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	180,562	57,020	1.0	0.30	\$5.40	0.95%	5,259
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	180,562	123,542	1.0	0.65	\$19.50	0.48%	2,629
Thrips	180,562	38,013	1.0	0.20	\$3.00	0.48%	2,629
Beet Armyworm	57,020	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	19	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	95,033	19,007	1.0	0.10	\$3.00	0.01%	28
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	76,026	19,007	1.0	0.10	\$2.50	0.02%	111
Loopers	1,901	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				1.35	\$33.40	1.93%	10656

Yield & Management Results

Total Acres	190,065
Total bales Harvested	542,873
Yield (lbs/acre)	1371
Total bales Lost to Insects	10,656
Percent Yield Loss	1.93%
Yield w/o Insects (lbs/acre)	1,398
Ave. # Spray Applications	1.350
Yield loss to all factors	10,672
% Yield loss to all factors	1.93%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$6,348,171	\$33.40
At Planting Costs	\$380,130	\$2.00
Scouting costs	\$361,124	\$1.90
Eradication costs	\$380,130	\$2.00
Transgenic cotton	\$0	\$0.00
Total Costs	\$7,469,555	\$39.30
Yield Lost to insects	\$3,836,070	\$20.18
Total Losses + Costs	\$11,305,625	\$59.48