

Table 24b

Texas Coastal Bend

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	44,000	0	0.0	0.000	\$0.00	0.000%	0
Bollworm/Budworm	440,000	52,800	1.2	0.144	\$1.48	1.00%	12,909
Pink Bollworm	0	0	0.0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	440,000	396,000	2.0	1.800	\$12.60	2.00%	25,817
Lygus	88,000	13,200	1.0	0.030	\$0.23	0.00%	0
Cotton Leaf Perforator	0	0	0.0	0.000	\$0.00	0.00%	0
Spider Mites	308,000	8,800	1.0	0.020	\$0.16	0.01%	181
Thrips	440,000	44,000	1.0	0.100	\$0.64	0.02%	258
Beet Armyworm	8,800	0	0.0	0.000	\$0.00	0.00%	0
Fall Armyworm	8,800	0	1.0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.000	\$0.00	0.00%	0
Stink Bugs	352,000	264,000	1.0	0.600	\$4.50	0.40%	5,163
Grasshoppers	44	0	0.0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.000	\$0.00	0.00%	0
Aphids	352,000	17,600	1.0	0.040	\$0.26	0.04%	516
Banded Winged Whitefly	13,200	0	0.0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	52,800	880	1.0	0.002	\$0.02	0.00%	46
Loopers	0	0	0.0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.000	\$0.00	0.00%	0
Cutworms	66,000	4,400	1.0	0.010	\$0.07	0.00%	0
Clouded Plant bugs	0	0	0.0	0.000	\$0.00	0.00%	0
Creontiades (green mirid)	110,000	17,600	1.0	0.040	\$0.30	0.08%	968
Cotton square borer	0	0	0.0	0.000	\$0.00	0.00%	0
Other 3	0	0	0.0	0.000	\$0.00	0.00%	0
Other 4	0	0	0.0	0.000	\$0.00	0.00%	0
				2.786	\$20.25	3.55%	45,859

Yield & Management Results

Total Acres	440000
Total bales Harvested	713167
yield (lbs/acre)	778
Total bales Lost to Insects	45859
Percent Yield Loss	3.55%
Yield w/o Insects (lbs/ac)	807
Ave. # Spray Applications	2.79
Bales lost all factors	577693
% yield loss all factors	44.8%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$8,908,680	\$20.25
At Planting Costs	\$3,061,520	\$6.96
In-furrow costs	\$87,824	\$0.20
Scouting costs	\$2,655,180	\$6.03
Eradication costs	\$9,900,000	\$22.50
Transgenic cotton	\$3,668,618	\$8.34
Total Costs	\$28,281,822	\$64.28
Yield Lost to insects	\$17,609,893	\$40.02
Total Losses + Costs	\$45,891,715	\$104.30