

Table 22b

Texas Panhandle

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	113,698	25,674	1.00	0.140	\$0.97	0.310%	1,821
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	88,024	1,834	1.00	0.010	\$0.06	0.024%	141
Lygus	73,354	1,834	1.00	0.010	\$0.06	0.020%	117
Cotton Leaf Perforator	2	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	80,689	0	0.00	0.000	\$0.00	0.000%	0
Thrips	183,384	69,686	1.50	0.570	\$2.00	0.020%	117
Beet Armyworm	137,538	7,335	1.00	0.040	\$0.50	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	18	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	7,335	0	0.00	0.000	\$0.00	0.000%	0
Aphids	144,873	3,668	1.00	0.020	\$0.15	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	2	0	0.00	0.000	\$0.00	0.000%	0
Loopers	53,181	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	183,384
Total bales Harvested	267,435
Yield (lbs/acre)	700
Total bales Lost to Insects	2,197
Percent Yield Loss	0.374%
Yield w/o Insects (lbs/acre)	703
Ave. # Spray Applications	0.790
Yield loss to all factors	319,999
% Yield loss to all factors	54.47%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$684,206	\$3.73
At Planting Costs	\$1,604,610	\$8.75
Scouting costs	\$715,198	\$3.90
Eradication costs	\$1,125,978	\$6.14
Transgenic cotton	\$996,617	\$5.43
Total Costs	\$5,126,608	\$27.96
Yield Lost to insects	\$685,464	\$3.74
Total Losses + Costs	\$5,812,073	\$31.69