

**Table 22d**

**Texas High Plains**

**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	1,211,786	178,204	1.00	0.100	\$0.73	0.292%	16,277
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	356,408	35,641	1.00	0.020	\$0.13	0.006%	334
Lygus	1,158,325	17,820	1.00	0.010	\$0.07	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	623,713	1,782	1.00	0.001	\$0.02	0.000%	0
Thrips	1,782,038	267,306	1.20	0.180	\$0.77	0.050%	2,783
Beet Armyworm	1,122,684	35,641	1.00	0.020	\$0.26	0.032%	1,753
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	124,743	0	0.00	0.000	\$0.00	0.000%	0
Grasshoppers	53,461	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	213,845	0	0.00	0.000	\$0.00	0.000%	0
Aphids	1,140,504	35,641	1.00	0.020	\$0.14	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	18	0	0.00	0.000	\$0.00	0.000%	0
Loopers	302,946	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	1,782,038
Total bales Harvested	2,784,434
Yield (lbs/acre)	750
Total bales Lost to Insects	21,148
Percent Yield Loss	0.380%
Yield w/o Insects (lbs/acre)	753
Ave. # Spray Applications	0.351
Yield loss to all factors	2,782,197
% Yield loss to all factors	49.98%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$3,740,498	\$2.10
At Planting Costs	\$11,316,654	\$6.35
Scouting costs	\$6,201,492	\$3.48
Eradication costs	\$5,417,396	\$3.04
Transgenic cotton	\$9,381,396	\$5.26
Total Costs	\$36,057,436	\$20.23
Yield Lost to insects	\$6,598,061	\$3.70
Total Losses + Costs	\$42,655,497	\$23.94