

**Table 22a**

**Texas Gulf Coast , Winter Garden and Lower Rio Grande Valley**

**Cotton Insect Losses 2008**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	119,965	1,000	2.00	0.004	\$0.04	0.005%	63
Bollworm/Budworm	499,855	149,957	1.20	0.360	\$3.24	0.340%	4,449
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	499,855	449,870	1.30	1.170	\$8.19	0.020%	262
Lygus	99,971	14,996	1.00	0.030	\$0.23	0.000%	0
Cotton Leaf Perforator	14,996	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	149,957	49,986	1.00	0.100	\$0.80	0.000%	0
Thrips	499,855	124,964	1.00	0.250	\$1.60	0.020%	262
Beet Armyworm	9,997	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	174,949	3,999	1.00	0.008	\$0.08	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	399,884	149,957	1.00	0.300	\$2.25	0.040%	523
Grasshoppers	50	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	4,999	0	0.00	0.000	\$0.00	0.000%	0
Aphids	419,878	169,951	1.00	0.340	\$2.24	0.042%	550
Banded Winged Whitefly	74,978	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	9,997	0	0.00	0.000	\$0.00	0.000%	0
Loopers	9,997	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	179,948	14,996	1.00	0.030	\$0.22	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
<i>Crenotiades</i> (green mired)	94,972	9,997	2.00	0.040	\$0.30	0.002%	25

Yield & Management Results	
Total Acres	499,855
Total bales Harvested	580,040
Yield (lbs/acre)	557
Total bales Lost to Insects	6,133
Percent Yield Loss	0.469%
Yield w/o Insects (lbs/acre)	560
Ave. # Spray Applications	2.632
Yield loss to all factors	728,381
% Yield loss to all factors	55.67%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$9,584,120	\$19.17
At Planting Costs	\$3,119,095	\$6.24
Scouting costs	\$2,385,808	\$4.77
Eradication costs	\$11,246,738	\$22.50
Transgenic cotton	\$3,550,720	\$7.10
Total Costs	\$29,886,480	\$59.79
Yield Lost to insects	\$1,913,362	\$3.83
Total Losses + Costs	\$31,799,842	\$63.62