

Table 22f

Texas Southern Rolling Plains

Cotton Insect Losses 20088

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	19,855	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	209,000	1,045	1.00	0.005	\$0.06	0.500%	1,638
Pink Bollworm	2,508	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	209,000	14,839	1.00	0.071	\$0.67	0.500%	1,638
Lygus	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	5,852	1,463	1.00	0.007	\$0.13	0.014%	46
Thrips	209,000	2,926	1.00	0.014	\$0.08	0.000%	0
Beet Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	24,871	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	0	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	49,742	10,032	1.00	0.048	\$0.43	0.000%	0
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	0	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	209,000
Total bales Harvested	185,052
Yield (lbs/acre)	425
Total bales Lost to Insects	3,322
Percent Yield Loss	1.01%
Yield w/o Insects (lbs/acre)	429
Ave. # Spray Applications	0.145
Yield loss to all factors	142,555
% Yield loss to all factors	43.51%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$287,689	\$1.38
At Planting Costs	\$344,850	\$1.65
Scouting costs	\$114,950	\$0.55
Eradication costs	\$1,672,000	\$8.00
Transgenic cotton	\$1,463,585	\$7.00
Total Costs	\$3,883,074	\$18.58
Yield Lost to insects	\$1,036,445	\$4.96
Total Losses + Costs	\$4,919,519	\$23.54