

Table 24a

Texas Southern Plains

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	2,200,000	220,000	1.2	0.096	\$1.06	1.60%	83,891
Pink Bollworm	27,500	0	0.0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	1,375,000	412,500	1.0	0.150	\$1.20	0.00%	0
Lygus	1,375,000	137,500	1.0	0.050	\$0.68	0.10%	5,243
Cotton Leaf Perforator	0	0	0.0	0.000	\$0.00	0.00%	0
Spider Mites	687,500	68,750	1.0	0.025	\$0.45	0.13%	6,554
Thrips	2,750,000	550,000	1.2	0.240	\$1.54	0.10%	5,243
Beet Armyworm	412,500	5,500	1.0	0.002	\$0.03	0.00%	0
Fall Armyworm	1,925,000	55,000	1.0	0.020	\$0.40	0.70%	36,702
European Cornborer	0	0	0.0	0.000	\$0.00	0.00%	0
Stink Bugs	2,062,500	137,500	1.0	0.050	\$0.45	0.38%	19,662
Grasshoppers	550,000	5,500	1.0	0.002	\$0.02	0.00%	0
Saltmarsh Caterpillars	550,000	0	0.0	0.000	\$0.00	0.00%	0
Aphids	2,200,000	687,500	1.0	0.250	\$3.50	0.80%	41,945
Banded Winged Whitefly	275,000	0	0.0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.000	\$0.00	0.00%	0
Loopers	275,000	0	0.0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.000	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.000	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.000	\$0.00	0.00%	0
Creontiades (green mirid)	0	0	0.0	0.000	\$0.00	0.00%	0
Cotton Square Borer	412,500	5,500	1.0	0.002	\$0.02	0.08%	3,932
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
				0.887	\$9.34	3.88%	203,173

Yield & Management Results

Total Acres	2750000
Total bales Harvested	3723958
yield (lbs/acre)	650
Total bales Lost to Insects	203173
Percent Yield Loss	3.88%
Yield w/o Insects (lbs/ac)	676
Ave. # Spray Applications	0.887
Bales lost all factors	1519207
% yield loss all factors	29%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$25,682,250	\$9.34
At Planting Costs	\$7,425,000	\$2.70
In-furrow costs	\$12,512,500	\$4.55
Scouting costs	\$9,900,000	\$3.60
Eradication costs	\$11,000,000	\$4.00
Transgenic cotton	\$14,197,611	\$5.16
Total Costs	\$80,717,361	\$29.35
Yield Lost to insects	\$78,018,303	\$28.37
Total Losses + Costs	\$158,735,665	\$57.72