

Table 24a

Texas Southern Plains

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	735,362	31,516	1.2	0.02	\$0.13	0.11%	6,458
Pink Bollworm	52,526	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	210,103	105,052	1.0	0.05	\$0.33	0.00%	0
Lygus	1,365,672	16,808	1.0	0.01	\$0.07	0.07%	3,998
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	252,124	0	0.0	0.00	\$0.00	0.00%	0
Thrips	2,101,035	420,207	1.2	0.24	\$1.02	1.50%	92,251
Beet Armyworm	315,155	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	420,207	1,786	1.2	0.00	\$0.01	0.00%	246
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	252,124	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	105,052	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	126,062	0	0.0	0.00	\$0.00	0.00%	0
Aphids	735,362	4,202	1.0	0.00	\$0.01	0.00%	0
Banded Winged Whitefly	210,103	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	273,134	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				0.32	\$1.57	1.67%	102953

Yield & Management Results	
Total Acres	2,101,035*
Total bales Harvested	3,064,009
Yield (lbs/acre)	700
Total bales Lost to Insects	56,317
Percent Yield Loss	1.05%
Yield w/o Insects (lbs/acre)	707
Ave. # Spray Applications	0.319
Yield loss to all factors	2,325,154
% Yield loss to all factors	43.1%

Failed acres*
694,858

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$3,299,792	\$1.57
At Planting Costs	\$8,194,035	\$3.90
Scouting costs	\$7,311,600	\$3.48
Eradication costs	\$5,252,586	\$2.50
Transgenic cotton	\$14,769,225	\$7.03
Total Costs	\$38,827,239	\$18.48
Yield Lost to insects	\$17,570,828	\$8.36
Total Losses + Costs	\$56,398,067	\$26.84