

**Table 24c**

**Texas Southern Plains**

**Cotton Insect Losses 2011**

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot		cost/ acre	%red	Bales lost
				acres				
Boll Weevil	0	0	0	0.000		\$0.00	0.00%	0
Bollworm/Budworm	66,623	2,498	1	0.002		\$0.01	0.03%	1,122
Pink Bollworm	0	0	0	0.000		\$0.00	0.00%	0
Cotton Fleahopper	8,328	0	0	0.000		\$0.00	0.00%	0
Lygus	99,935	8,328	1	0.005		\$0.03	0.00%	0
Cotton Leaf Perforator	0	0	0	0.000		\$0.00	0.00%	0
Spider Mites	158,231	6,662	1	0.004		\$0.02	0.04%	1,232
Thrips	949,384	249,838	1	0.180		\$0.45	0.37%	12,991
Beet Armyworm	263,163	0	0	0.000		\$0.00	0.00%	0
Fall Armyworm	136,578	3,664	1	0.002		\$0.01	0.06%	1,984
European Cornborer	0	0	0	0.000		\$0.00	0.00%	0
Stink Bugs	4,497	0	0	0.000		\$0.00	0.00%	0
Grasshoppers	0	0	0	0.000		\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000		\$0.00	0.00%	0
Aphids	133,247	0	0	0.000		\$0.00	0.00%	0
Banded Winged Whitefly	174,887	0	0	0.000		\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0	0.000		\$0.00	0.00%	0
Loopers	133,247	0	0	0.000		\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000		\$0.00	0.00%	0
Cutworms	0	0	0	0.000		\$0.00	0.00%	0
Clouded Plant bugs	0	0	0	0.000		\$0.00	0.00%	0
Kurtomathrips morrilli	333,117	83,279	1	0.050		\$0.13	1.42%	49,789
Stripped fleabeetle	4,997	1,666	1	0.001		\$0.00	0.00%	0
False Chinch Bug	8,328	1,666	1	0.001		\$0.00	0.00%	0
				0.245		\$0.66	1.91%	67,118

**Yield & Management Results**

Total Acres	1,665,586
Total bales Harvested	1,387,988
yield (lbs/acre)	400
Total bales Lost to Insects	67,118
Percent Yield Loss	1.91%
Yield w/o Insects (lbs/ac)	408
Ave. # Spray Applications	0.24
Bales lost all factors	2,118,293
% yield loss all factors	60.4%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$1,093,540	\$0.66
At Planting Costs	\$10,493,192	\$6.30
In-furrow costs	\$12,991,571	\$7.80
Scouting costs	\$5,996,110	\$3.60
Eradication costs	\$2,081,983	\$1.25
Transgenic cotton	\$9,699,455	\$5.82
Total Costs	\$42,355,851	\$25.43
Yield Lost to insects	\$27,384,259	\$16.44
Total Losses + Costs	\$69,740,110	\$41.87