

Table 24b

Texas Rolling 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	56,000	0	0	0.000		\$0.00	0.00%	0
Pink Bollworm	0	0	0	0.000		\$0.00	0.00%	0
Cotton Fleahopper	80,000	2,400	1	0.030		\$0.23	0.50%	1,086
Lygus	0	0	0	0.000		\$0.00	0.00%	0
Cotton Leaf Perforator	0	0	0	0.000		\$0.00	0.00%	0
Spider Mites	8,000	800	1	0.010		\$0.18	0.03%	54
Thrips	80,000	0	0	0.000		\$0.00	0.00%	0
Beet Armyworm	0	0	0	0.000		\$0.00	0.00%	0
Fall Armyworm	0	0	0	0.000		\$0.00	0.00%	0
European Cornborer	0	0	0	0.000		\$0.00	0.00%	0
Stink Bugs	0	0	0	0.000		\$0.00	0.00%	0
Grasshoppers	800	0	0	0.000		\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000		\$0.00	0.00%	0
Aphids	20,000	1,600	1	0.020		\$0.18	0.06%	136
Banded Winged Whitefly	0	0	0	0.000		\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0	0.000		\$0.00	0.00%	0
Loopers	0	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
Crenotiades (green mirid)	0	0	0	0.000		\$0.00	0.00%	0
Cotton Square Borer	0	0	0	0.000		\$0.00	0.00%	0
				0.060		\$0.59	0.59%	1,276

Economic Results

Yield & Management Results	
Total Acres	80,000
Total bales Harvested	133,333
yield (lbs/acre)	800
Total bales Lost to Insects	1,276
Percent Yield Loss	0.59%
Yield w/o Insects (lbs/ac)	805
Ave. # Spray Applications	0.06
Bales lost all factors	83,778
% yield loss all factors	38.6%

	Total	Per Acre
Foliar Insecticides Costs	\$46,800	\$0.59
At Planting Costs	\$644,000	\$8.05
In-furrow costs	\$15,680	\$0.20
Scouting costs	\$48,000	\$0.60
Eradication costs	\$240,000	\$3.00
Transgenic cotton	\$534,316	\$6.68
Total Costs	\$1,528,796	\$19.11
Yield Lost to insects	\$520,415	\$6.51
Total Losses + Costs	\$2,049,211	\$25.62