

Table 24c

Texas Rolling 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	0.00	\$0.00	0.00%	0
Bollworm/Budworm	750,000	1,500	1.0	0.00	\$0.02	0.20%	2,860
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	750,000	712,500	2.0	1.90	\$14.25	2.00%	28,599
Lygus	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	75,000	7,500	1.0	0.01	\$0.18	0.01%	143
Thrips	750,000	22,500	1.0	0.03	\$0.18	0.00%	0
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	75,000	750	1.0	0.00	\$0.01	0.01%	71
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	225,000	15,000	1.0	0.02	\$0.15	0.03%	429
Grasshoppers	7,500	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	525,000	45,000	1.0	0.06	\$0.54	0.70%	10,010
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	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
Creontiades (green mirid)	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton square borer	0	0	0.0	0.00	\$0.00	0.00%	0
Other 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other 4	0	0	0.0	0.00	\$0.00	0.00%	0
				0.15	\$1.38	1.014%	3322

Yield & Management Results

Total Acres	750,000
Total bales Harvested	671,875
yield (lbs/acre)	430
Total bales Lost to Insects	3,322
Percent Yield Loss	1.01%
Yield w/o Insects (lbs/ac)	434
Ave. # Spray Applications	0.145
Bales lost all factors	758,072
% yield loss all factors	53.01%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$1,032,375	\$1.38
At Planting Costs	\$7,331,250	\$9.78
In-furrow costs	\$735,000	\$0.98
Scouting costs	\$450,000	\$0.60
Eradication costs	\$3,750,000	\$5.00
Transgenic cotton	\$4,872,750	\$6.50
Total Costs	\$18,171,375	\$24.23
Yield Lost to insects	\$1,275,624	\$1.70
Total Losses + Costs	\$19,446,999	\$25.93