

Table 24f

Texas Permian Basin

Cotton Insect Losses 2010

<b>Pest</b>	<b>acres infested</b>	<b>acres treated</b>	<b>#apps/ acre trtd</b>	<b>#apps/ tot acres</b>	<b>cost/ acre</b>	<b>%red</b>	<b>Bales lost</b>
Boll Weevil	0	0	0.0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	300,000	18,750	1.0	0.050	\$0.53	8.00%	54,756
Pink Bollworm	37,500	0	0.0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	0	150,000	1.0	0.400	\$2.80	0.00%	0
Lygus	375,000	0	0.0	0.000	\$0.00	0.00%	0
Cotton Leaf Perforator	0	0	0.0	0.000	\$0.00	0.00%	0
Spider Mites	1,875	375	1.0	0.001	\$0.02	0.00%	10
Thrips	356,250	37,500	1.0	0.100	\$0.60	0.00%	0
Beet Armyworm	0	0	0.0	0.000	\$0.00	0.00%	0
Fall Armyworm	0	375	0.0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.000	\$0.00	0.00%	0
Stink Bugs	75,000	3,750	1.0	0.010	\$0.11	0.20%	1,369
Grasshoppers	0	0	0.0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.000	\$0.00	0.00%	0
Aphids	187,500	93,750	1.0	0.250	\$2.50	0.00%	0
Banded Winged Whitefly	0	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	0	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	0	0	0.0	0.000	\$0.00	0.00%	0
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
				0.811	\$6.55	8.20%	56,135

**Yield & Management Results**

Total Acres	375,000
Total bales Harvested	320,313
yield (lbs/acre)	410
Total bales Lost to Insects	56,135
Percent Yield Loss	8.20%
Yield w/o Insects (lbs/ac)	447
Ave. # Spray Applications	0.811
Bales lost all factors	364,138
% yield loss all factors	53.20%

**Economic Results**

	Total	Per Acre
Foliar Insecticides Costs	\$2,455,875	\$6.55
At Planting Costs	\$862,500	\$2.30
In-furrow costs	\$0	\$0.00
Scouting costs	\$112,500	\$0.30
Eradication costs	\$2,437,500	\$6.50
Transgenic cotton	\$2,613,750	\$6.97
Total Costs	\$8,482,125	\$22.62
Yield Lost to insects	\$21,555,915	\$57.48
Total Losses + Costs	\$30,038,040	\$80.10