

Table 24c

Texas Western Plains

Cotton Insect losses 2016

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	720,000	36,000	1	0.01	\$0.08	0.100%	6,150
Beet Armyworm	3,600	360	0	0.00	\$0.00	0.000%	0
Fall Armyworm	3,600	0	0	0.00	\$0.00	0.000%	0
Loopers	3,600	0	0	0.00	\$0.00	0.000%	0
Cutworms	18,000	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	180	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	3,420,000	252,000	1	0.07	\$0.56	0.010%	584
Lygus	900,000	0	0	0.00	\$0.00	0.000%	0
Stink Bugs	720,000	108,000	2	0.05	\$0.23	0.400%	24,600
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	72,000	3,600	1	0.00	\$0.01	0.000%	0
Thrips	3,564,000	864,000	2	0.36	\$2.52	0.050%	3,044
Aphids	360,000	18,000	1	0.01	\$0.03	0.000%	0
Grasshoppers	900,000	18,000	1	0.01	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				0.49	\$3.35	0.46%	28,229

Yield & Management Results	
Total Acres	3,600,000
Total bales Harvested	6,000,000
yield (lbs/acre)	800
Total bales Lost to Insects	34,379
Percent Yield Loss	0.56%
Yield w/o Insects (lbs/ac)	804
Ave. # Spray Applications	0.50
Bales lost all factors	590,954
% yield loss all factors	9.61%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$12,350,700	\$3.43
At Planting Costs	\$20,534,400	\$5.70
In-furrow costs	\$648,000	\$0.18
Scouting costs	\$1,260,000	\$0.35
Eradication costs	\$21,600,000	\$6.00
Transgenic cotton	\$58,968,000	\$16.38
Total Costs	\$115,361,100	\$32.04
Yield Lost to insects	\$11,221,142	\$3.12
Total Losses + Costs	\$126,582,242	\$35.16