

Table 24b

## Texas Rolling Plains

cotton Insect losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	240,000	7,680	1	0.01	\$0.05	0.500%	7,961
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	10	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	768,000	57,600	1	0.06	\$0.42	1.600%	25,476
Lygus	192,000	0	0	0.00	\$0.00	0.020%	318
Stink Bugs	48,000	0	0	0.00	\$0.00	0.000%	0
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	48,000	9,600	1	0.01	\$0.08	0.100%	1,592
Thrips	0	0	0	0.00	\$0.00	0.000%	0
Aphids	672,000	288,000	1	0.30	\$2.25	1.400%	22,292
Grasshoppers	192,000	48,000	1	0.05	\$0.65	0.010%	159
Banded Winged Whitefly	96,000	19,200	1	0.02	\$0.05	0.000%	0
Silverleaf Whitefly	96,000	9,600	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
				0.45	\$3.50	3.630%	57,799

Yield & Management Results	
Total Acres	960,000
Total bales Harvested	906,000
yield (lbs/acre)	453
Total bales Lost to Insects	57,799
Percent Yield Loss	3.63%
Yield w/o Insects (lbs/ac)	453
Ave. # Spray Applications	0.45
Bales lost all factors	686,267
% yield loss all factors	43.10%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$3,358,080	\$3.50
At Planting Costs		\$6,120,000	\$6.38
In-furrow costs		\$0	\$0.00
Scouting costs		\$960,000	\$1.00
Eradication costs		\$2,121,600	\$2.21
Transgenic cotton		\$6,240,870	\$6.50
Total Costs		\$18,800,550	\$19.58
Yield Lost to insects		\$16,970,798	\$17.68
Total Losses + Costs		\$35,771,348	\$37.26