

Table 24c

Texas Western Plains

Cotton Insect losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot		%red	Bales lost
				acres	cost/ acre		
Bollworm/Budworm	1,256,000	125,600	1	0.04	\$0.18	0.320%	18,197
Beet Armyworm	582,156	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	31,400	0	0	0.00	\$0.00	0.000%	6
Loopers	31,400	0	0	0.00	\$0.00	0.000%	0
Cutworms	3,140	0	0	0.00	\$0.00	0.000%	1
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	292,020	56,520	1	0.02	\$0.09	0.001%	53
Lygus	565,200	12,560	1	0.00	\$0.02	0.018%	1,024
Stink Bugs	1,727,000	6,280	1	0.00	\$0.01	0.006%	313
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	31,400	0	0	0.00	\$0.00	0.000%	0
Thrips	2,826,000	317,140	1	0.10	\$0.15	1.350%	76,768
Aphids	533,800	0	0	0.00	\$0.00	0.000%	0
Grasshoppers	2,072,400	15,700	1	0.01	\$0.02	0.007%	375
Banded Winged Whitefly	345,400	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
				0.13	\$0.29	1.38%	78,539

Yield & Management Results	
Total Acres	3,140,000
Total bales Harvested	4,350,208
yield (lbs/acre)	665
Total bales Lost to Insects	96,736
Percent Yield Loss	1.70%
Yield w/o Insects (lbs/ac)	665
Ave. # Spray Applications	0.17
Bales lost all factors	1,336,339
% yield loss all factors	25.20%

Economic Results		Total	Per Acre
Foliar Insecticides Costs		\$1,483,650	\$0.47
At Planting Costs		\$25,277,000	\$8.05
In-furrow costs		\$141,300	\$0.05
Scouting costs		\$6,868,750	\$2.19
Eradication costs		\$4,239,000	\$1.35
Transgenic cotton		\$9,914,002	\$3.16
Total Costs		\$47,923,702	\$15.26
Yield Lost to insects		\$28,324,337	\$9.02
Total Losses + Costs		\$76,248,039	\$24.28