

Table 23d Texas High Plains Cotton Insect Losses – 2005

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	85,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	3,114,000	1,124,500	0.423	\$6.00	\$2.54	1.98	149,861
Pink Bollworm	500,000	48,000	0.035	\$7.00	\$0.24	0.12	8,750
Cotton Fleahopper	331,000	10,000	0.003	\$6.00	\$0.02	0.00	0
Lygus	257,000	5,000	0.001	\$7.50	\$0.01	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	350,000	38,000	0.011	\$10.50	\$0.12	0.02	1,531
Thrips	3,100,000	150,000	0.043	\$5.50	\$0.24	0.90	67,813
Beet Armyworm	200,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	175,000	80,000	0.023	\$8.50	\$0.20	0.01	766
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	15,000	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	40,000	5,000	0.001	\$7.85	\$0.01	0.00	88
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	2,850,000	120,000	0.035	\$9.50	\$0.33	0.16	12,469
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Darkling Beetle	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0
Percent Lost	3.19		Est. yield/acre	777			Cost/ Acre
						Foliar insecticide	\$3.70

Total Acres	3,460,000	Spray applications	0.575	At planting	\$2.02
				Bt use fees	\$2.60
		Cost + loss	\$130,505,590	Eradication	\$8.00
Total Bales lost	241,277			Scouting	\$1.32
Bales lost in dollars	\$69,487,740	Cost + loss/acre	\$37.72	Total	\$17.64