

Table 24

Texas

Cotton Insect Losses 2011

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot		cost/ acre	%red	Bales lost
				acres				
Boll Weevil	185,353	17,500	0	0.016		\$0.00	0.000%	0
Bollworm/Budworm	1,031,673	251,251	1	0.075		\$0.43	0.069%	4,573
Pink Bollworm	0	0	0	0.000		\$0.00	0.000%	0
Cotton Fleahopper	1,449,786	977,647	2	0.609		\$2.78	0.208%	12,513
Lygus	392,682	10,815	1	0.003		\$0.02	0.001%	143
Cotton Leaf Perforator	3	0	0	0.000		\$0.00	0.000%	0
Spider Mites	721,571	158,798	1	0.047		\$0.32	0.054%	3,635
Thrips	2,648,547	679,836	1	0.236		\$0.86	0.450%	28,230
Beet Armyworm	457,412	11,885	0	0.004		\$0.02	0.000%	0
Fall Armyworm	145,603	3,664	1	0.001		\$0.01	0.028%	1,984
European Cornborer	0	0	0	0.000		\$0.00	0.000%	0
Stink Bugs	493,807	171,142	1	0.051		\$0.33	0.399%	22,473
Grasshoppers	98,838	4,706	1	0.001		\$0.01	0.024%	1,354
Saltmarsh Caterpillars	9,946	0	0	0.000		\$0.00	0.000%	0
Aphids	1,314,931	194,801	1	0.058		\$0.33	0.014%	861
Banded Winged Whitefly	210,984	0	0	0.000		\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	27,076	1,805	1	0.001		\$0.00	0.0002%	17
Loopers	224,077	0	0	0.000		\$0.00	0.000%	0
Southern Armyworms	0	0	0	0.000		\$0.00	0.000%	0
Cutworms	36,098	18,049	1	0.005		\$0.04	0.000%	0
Clouded Plant bugs	0	0	0	0.000		\$0.00	0.000%	0
Crenotiades (green mirid)	144,390	18,049	1	0.005		\$0.03	0.001%	62
Kurtomathrips morrilli	333,117	83,279	1	0.560		\$1.40	0.701%	54,324
Stripped fleabee le	4,997	1,666	1	0.021		\$0.09	0.000%	396
False Chinch Bug	8,328	1,666	1	0.000		\$0.00	0.000%	0
				1.693		\$6.67	1.950%	130564

Yield & Management Results	
Total Acres	3,372,074
Total bales Harvested	3,767,485
yield (lbs/acre)	536
Total bales Lost to Insects	130,564
Percent Yield Loss	1.95%
Yield w/o Insects (lbs/ac)	547
Ave. # Spray Applications	1.69
Bales lost all factors	3,683,509
% yield loss all factors	49.44%

Economic Results			
	Total	Per Acre	
Foliar Insecticides Costs	\$289,727	\$0.09	
At Planting Costs	\$23,921,324	\$7.09	
In-furrow costs	\$14,969,175	\$4.44	
Scouting costs	\$14,519,825	\$4.31	
Eradication costs	\$27,524,578	\$8.16	
Transgenic cotton	\$20,665,627	\$6.13	
Total Costs	\$101,890,257	\$30.22	
Yield Lost to insects	\$53,821,624	\$15.96	
Total Losses + Costs	\$155,711,881	\$46.18	
BW erad	\$8.16	PBW erad	\$0.00

