

Table 22.	TEXAS					Cotton insect losses - 1997	
PEST	Acres Infested	Acre Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yield Loss	Bales Lost
Boll Weevils	4615443	2930286	1.569	\$6.95	\$10.90	11.151	892621
Boll/budworms	4241860	2027457	0.556	\$10.20	\$5.67	1.629	130390
Pink Bollworm	119724	35432	0.009	\$7.50	\$0.06	0.048	3804
Cotton Fleahoppers	4246506	1606553	0.415	\$4.98	\$2.07	1.281	1-2510
Lygus	691650	89500	0.018	\$7.05	\$0.12	0.084	6710
Cotton Leaf perforators	101000	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	151000	24000	0.005	\$12.51	\$0.06	0.003	206
Thrips, early season	4463856	502747	0.110	\$4.26	\$0.47	5.240	41924
Beet Armyworms	638988	64000	0.019	\$12.47	\$0.24	0.007	533
Fall Armyworms	312741	1100	0.000	\$8.80	\$0.00	0.000	0
Euro ean Cornborers	850	350	0.000	\$11.50	\$0.00	0.000	0
Stink Bugs	187198	42469	0.007	\$7.19	\$0.05	0.032	2546
Gras hoppers	727000	190000	0.041	\$8.87	\$0.37	0.032	2572
Saltmarsh Catepillers	53000	4000	0.001	\$9.50	\$0.01	0.000	3
Aphids	4145638	985530	0.244	\$7.57	\$1.85	0.742	59376
Bandedwing Whiteflies	44500	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	74000	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	12000	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	60000	8000	0.001	\$8.66	\$0.01	0.000	3
Western Flower Thrips	442856	0	0.000	n/a	\$0.00	0.000	0
Cutworms	275000	29000	0.005	\$7.26	\$0.04	0.002	125
						<b>Cost/Acre</b>	
					<b>foliar insecticide</b>		\$21.92
<b>Percent Lost:</b>	<b>15.53</b>		est. Yield per acre:	486		<b>at planting</b>	\$1.98
Total Acres:	5390753					<b>Bt use fees</b>	\$1.70
Harvested Acres	5334219		Total cost and loss insect related:	\$545,338,937		<b>eradication</b>	\$1.92
Total Bales Lost:	1243322		Total cost Loss/acre:	\$101.16		<b>Scouting</b>	\$1.69
Bales lost in \$\$\$:	387916367					<b>TOTAL</b>	\$29.20

Table 22a.	TEXAS - Coastal Bend					Cotton insect losses - 1997	
PEST	Acres Infested	Acre Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yield Loss	Bales Lost
Boll Weevils	435856	435856	4.500	\$3.39	\$15.26	3.000	21520
Boll/budworms	435856	239721	1.100	\$8.78	\$9.66	3.000	21520
Cotton Fleahoppers	0	0	0.000	n/a	\$0.00	0.000	0
Lygus	435856	383553	1.760	\$5.28	\$9.29	0.008	54
Cotton Leaf perforators	210000	24500	0.056	\$8.15	\$0.46	0.482	3456
Pink Bollworms	100000	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	35000	0	0.000	n/a	\$0.00	0.000	0
Thrips, early season	435856	100247	0.230	\$4.40	\$1.01	0.000	0
Beet Armyworms	400988	0	0.000	n/a	\$0.00	0.000	0
Fall Armyworms	300741	1100	0.003	\$8.80	\$0.02	0.000	0
Euro ean Cornborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	145000	21793	0.050	\$7.00	\$0.35	0.333	2386
Gras hoppers	50000	2386	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	15000	0	0.000	n/a	\$0.00	0.000	0
Aphids	435856	152550	0.350	\$6.70	\$2.35	2.000	14347
Bandedwing Whiteflies	9500	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	24000	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	12000	0	0.000	n/a	\$0.00	0.000	0

Cabbage Loopers	25000	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	435856	0	0.000	n/a	\$0.00	0.000	0
Cutworms	250000	20000	0.046	\$6.47	\$0.30	0.000	0
							<b>Cost/Acre</b>
						<b>foliar insecticide</b>	\$38.69
<b>Percent Lost:</b>	<b>8.82</b>	est. Yield per acre:		537	<b>at planting</b>		\$1.51
Total Acres:	435856					<b>Bt use fees</b>	\$2.99
Harvested acres:	418422	Total cost and loss insect related:		\$45,467,836	<b>eradication</b>		\$11.33
Total Bales Lost:	63284.9	Total cost Loss/acre:		\$104.32	<b>scouting</b>		\$4.50
Bales lost in \$\$\$:	\$19,744,888					<b>TOTAL</b>	\$59.02

Table 22b.	TEXAS - NORTH CENTRAL					Cotton insect losses - 1997	
PEST	Acres Infested	Acre Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yield Loss	Bales Lost
Boll Weevils	252000	250000	3.188	\$4.52	\$14.42	9.014	25389
Boll/budworms	10000	10000	0.038	\$7.00	\$0.27	0.012	33
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Fleahoppers	250000	200000	1.154	\$4.00	\$4.62	0.000	0
Lygus	60000	30000	0.115	\$8.00	\$0.92	0.415	1170
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	3000	2000	0.008	\$8.00	\$0.06	0.014	39
Thrips, early season	250000	180000	1.038	\$3.75	\$3.89	0.577	1625
Beet Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Comborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	0	0	0.000	n/a	\$0.00	0.000	0
Gras hoppers	0	0	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	0	0	0.000	n/a	\$0.00	0.000	0
Aphids	60000	10000	0.038	\$7.00	\$0.27	0.138	390
Bandedwing Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	0	0	0.000	n/a	\$0.00	0.000	0
							<b>Cost/Acre</b>
						<b>foliar insecticide</b>	\$24.46
<b>Percent Lost:</b>	<b>10.17</b>	est. Yield per acre:		410	<b>at planting</b>		\$2.10
Total Acres:	260000					<b>Bt use fees</b>	\$6.11
Harvested acres:	260000	Total cost and loss insect related:		\$18,259,246	<b>eradication</b>		\$0.00
Total Bales Lost:	28646	Total cost Loss/acre:		\$70.23	<b>scouting</b>		\$3.19
Bales lost in \$\$\$:	\$8,937,396					<b>TOTAL</b>	\$35.85

Table 22c.	TEXAS - NORTH ROLLING PLAINS					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	372000	260000	1.565	\$5.80	\$9.08	5.414	25854
Boll/budworms	190000	130000	0.579	\$11.00	\$6.36	0.771	3681
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Fleahoppers	372000	140000	0.366	\$4.75	\$1.74	0.555	2651
Lygus	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0

Spider Mites	30000	11000	0.029	\$12.00	\$0.35	0.002	8
Thrips, early season	25000	14000	0.037	\$4.50	\$0.16	0.001	3
Beet Armyworms	38000	24000	0.075	\$12.50	\$0.94	0.008	38
Fall Armyworms	12000	0	0.000	n/a	\$0.00	0.000	0
Euro ean Comborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	13000	6000	0.016	\$6.70	\$0.11	0.000	2
Gras hoppers	58000	38000	0.099	\$5.15	\$0.51	0.020	94
Saltmarsh Catepillers	13000	0	0.000	n/a	\$0.00	0.000	0
Aphids	108000	80000	0.272	\$7.75	\$2.11	0.116	554
Bandedwing Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	25000	8000	0.021	n/a	\$0.18	0.001	3
Western Flower Thrips	7000	0	0.000	n/a	\$0.00	0.000	0
Cutworms	15000	7000	0.018	\$10.00	\$0.18	0.000	0
							<b>Cost/Acre</b>
					<b>foliar insecticide</b>	\$21.73	
<b>Percent Lost:</b>	<b>6.89</b>	est. Yield per acre:		347	<b>at planting</b>		\$0.59
Total Acres:	382000				<b>Bt use fees</b>		\$0.06
Harvested Acres:	382000	cost loss:		\$20,603,305	<b>eradication</b>		\$3.46
Total Bales Lost:	32887	cost Loss/acre:		\$53.94	<b>Scouting</b>		\$1.24
Bales lost in \$\$\$:	\$10,260,705				<b>TOTAL</b>		\$27.07

Table 22d.	TEXAS - HIGH PLAINS					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	2850000	1500000	1.257	\$8.97	\$11.28	11.400	787313
Boll/budworms	3000000	1200000	0.494	\$10.75	\$5.31	1.324	91406
Pink Bollworm	300	0	0.000	n/a	\$0.00	0.000	0
Cotton Fleahoppers	2600000	700000	0.226	\$4.80	\$1.09	1.147	79219
Lygus	400000	30000	0.011	\$5.80	\$0.06	0.024	1625
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	75000	10000	0.003	\$13.75	\$0.04	0.002	152
Thrips, early season	3200000	200000	0.059	\$4.85	\$0.29	0.565	39000
Beet Armyworms	150000	5000	0.001	\$12.85	\$0.02	0.004	305
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Comborers	850	350	0.000	\$11.50	\$0.00	0.000	0
Stink Bugs	0	0	0.000	n/a	\$0.00	0.000	0
Gras hoppers	600000	0	0.053	\$9.75	\$0.52	0.035	2438
Saltmarsh Catepillers	15000	4000	0.001	\$9.50	\$0.01	0.000	3
Aphids	3000000	460000	0.162	\$7.85	\$1.27	0.529	36563
Bandedwing Whiteflies	3000	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	0	0	0.000	n/a	\$0.00	0.000	0
							<b>Cost/Acre</b>
					<b>foliar insecticide</b>	\$19.90	
<b>Percent Lost:</b>	<b>15.03</b>	est. Yield per acre:		505	<b>at planting</b>		\$2.60
Total Acres:	3400000				<b>Bt use fees</b>		\$0.01
Harvested Acres:	3400000	cost loss:		\$404,651,622	<b>eradication</b>		\$0.00

Total Bales Lost:	1038023	cost Loss/acre:	\$119.02	scouting	\$1.26
Bales lost in \$\$\$:	\$323,863,098			<b>TOTAL</b>	\$23.76

Table 22e.	TEXAS - FAR WEST					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	160487	114430	1.265	\$3.24	\$4.09	2.840	13478
Boll/budworms	55904	32736	0.110	\$13.50	\$1.48	0.409	1943
Cotton Fleahoppers	119424	35432	0.141	\$7.50	\$1.05	0.802	3804
Lygus	43650	0	0.000	n/a	\$0.00	0.000	0
Cotton Leaf perforators	1650	0	0.000	n/a	\$0.00	0.000	0
Pink Bollworms	1000	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	0	0	0.000	n/a	\$0.00	0.000	0
Thrips, early season	183000	500	0.000	\$1.00	\$0.00	0.056	265
Beet Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Comborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	27198	14676	0.027	\$8.00	\$0.21	0.033	158
Gras hoppers	0	0	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	0	0	0.000	n/a	\$0.00	0.000	0
Aphids	21782	4980	0.015	\$8.33	\$0.13	0.003	13
Bandedwing Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	0	0	0.000	n/a	\$0.00	0.000	0
						<b>Cost/Acre</b>	
						<b>foliar insecticide</b>	\$6.97
<b>Percent Lost:</b>	<b>4.14</b>		est. Yield per acre:	507		<b>at planting</b>	\$0.00
Total Acres:	327797					<b>Bt use fees</b>	\$5.88
Harvested Acres:	327797		cost loss:	\$10,760,373		<b>eradication</b>	\$0.00
Total Bales Lost:	19659		cost Loss/acre:	\$32.83		<b>scouting</b>	\$1.27
Bales lost in \$\$\$:	\$6,133,760					<b>TOTAL</b>	\$14.11

Table 22f.	TEXAS - LOWER RIO GRANDE VALLEY					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	155000	110000	4.750	\$2.51	\$11.94	1.356	3106
Boll/budworms	160000	100000	1.250	\$10.00	\$12.50	0.800	1832
Cotton Fleahoppers	160000	155000	1.453	\$6.00	\$8.72	0.600	1374
Lygus	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	0	0	0.000	n/a	\$0.00	0.000	0
Thrips, early season	0	0	0.000	n/a	\$0.00	0.000	0
Beet Armyworms	40000	30000	0.375	\$12.00	\$4.50	0.075	172
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Comborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	0	0	0.000	n/a	\$0.00	0.000	0
Gras hoppers	0	0	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	0	0	0.000	n/a	\$0.00	0.000	0
Aphids	160000	80000	0.500	\$10.00	\$5.00	0.100	229
Bandedwing Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0

Sweet Potato Whiteflies	50000	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	0	0	0.000	n/a	\$0.00	0.000	0
							<b>Cost/Acre</b>
					<b>foliar insecticide</b>		\$42.65
<b>Percent Lost:</b>	<b>2.93</b>	est. Yield per acre:		526	<b>at planting</b>		\$0.56
Total Acres:	160000				<b>Bt use fees</b>		\$2.00
Harvested Acres:	160000	cost loss:		\$10,088,920	<b>eradication</b>		\$0.00
Total Bales Lost:	6713	cost Loss/acre:		\$63.06	<b>scouting</b>		\$4.75
Bales lost in \$\$\$:	\$2,094,320				<b>TOTAL</b>		\$49.97

Table 22g	TEXAS - SOUTHERN ROLLING PLAINS					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	325000	200000	0.556	\$7.75	\$4.31	0.361	1178
Boll/budworms	325000	260000	0.722	\$10.00	\$7.22	0.813	2651
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Fleahoppers	325000	3000	0.008	\$6.00	\$0.05	0.090	295
Lygus	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	8000	1000	0.006	\$13.00	\$0.07	0.002	7
Thrips, early season	325000	0	0.000	n/a	\$0.00	0.000	0
Beet Armyworms	10000	5000	0.028	\$15.00	\$0.42	0.006	18
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Cornborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	2000	0	0.000	n/a	\$0.00	0.000	0
Gras hoppers	15000	0	0.000	n/a	\$0.00	0.002	7
Saltmarsh Catepillers	10000	0	0.000	n/a	\$0.00	0.000	0
Aphids	325000	195000	1.138	\$7.00	\$7.96	1.986	6480
Bandedwing Whiteflies	32000	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	10000	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	0	0	0.000	n/a	\$0.00	0.000	0
							<b>Cost/Acre</b>
					<b>foliar insecticide</b>		\$20.03
<b>Percent Lost:</b>	<b>3.26</b>	est. Yield per acre:		370	<b>at planting</b>		\$0.04
Total Acres:	360000				<b>Bt use fees</b>		\$6.11
Harvested Acres:	325000	cost loss:		\$16,941,998	<b>eradication</b>		\$11.30
Total Bales Lost:	10635	cost Loss/acre:		\$47.06	<b>scouting</b>		\$0.36
Bales lost in \$\$\$:	\$3,318,213				<b>TOTAL</b>		\$37.84

Table 22h	TEXAS - SOUTHERN BLACKLANDS					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yield Loss	Bales Lost
Boll Weevils	65100	60000	9.217	\$2.85	\$26.27	10.900	14783
Boll/budworms	65100	55000	1.690	\$6.50	\$10.98	5.400	7324
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0

Cotton Fleahoppers	60000	25000	0.384	\$4.85	\$1.86	1.014	1375
Lygus	20000	5000	0.077	\$5.00	\$0.38	0.338	458
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	0	0	0.000	n/a	\$0.00	0.000	0
Thrips, early season	45000	8000	0.123	\$4.50	\$0.55	0.760	1031
Beet Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Fall Armyworms	0	0	0.000	n/a	\$0.00	0.000	0
Euro ean Cornborers	0	0	0.000	n/a	\$0.00	0.000	0
Stink Bugs	0	0	0.000	n/a	\$0.00	0.000	0
Gras hoppers	4000	2000	0.061	\$4.85	\$0.30	0.025	33
Saltmarsh Catepillars	0	0	0.000	n/a	\$0.00	0.000	0
Aphids	35000	3000	0.046	\$5.50	\$0.25	0.591	802
Bandedwing Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	n/a	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	n/a	\$0.00	0.000	0
Cutworms	10000	2000	0.031	\$5.50	\$0.17	0.092	125
							<b>Cost/Acre</b>
					<b>foliar insecticide</b>	\$40.77	
<b>Percent Lost:</b>	<b>19.12</b>	est. Yield per acre:		710	<b>at planting</b>		\$4.61
Total Acres:	65100				<b>Bt use fees</b>		\$27.65
Harvested Acres:	61000	cost loss:		\$13,092,395	<b>eradication</b>		\$0.00
Total Bales lost	25932	cost loss/acre		\$201.11	<b>scouting</b>		\$3.80
Bales Lost in\$\$\$:	\$8,090,745.00				<b>Total</b>		\$76.83