

COTTON INSECT LOSSES 1995
This report is sponsored in part by a
grant from the Cotton Foundation.
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Background

This information was provided by state coordinators and was collected from surveys of county agents, extension specialists, private consultants and research entomologists. **All data are averaged over a total reporting unit**, state, etc. For example, if a unit report represents 100 acres and an 8% loss on 25 of these acres, then in the table summary this shows up as a 2% loss. $((.08 \times 25)/100)$. This type of averaging is used for all data reported including yields and costs of control. Because of averaging and rounding some individual state summary numbers listed as '0' are slightly larger. For example, if the number of insecticide applications fall below 0.1 for a state's total acreage, it is not listed.

Highlights

Arthropod pests reduced overall yield by 11.08% in spite of control measures which cost an average of \$57.93 per acre. The bollworm/budworm complex was still the number one pest in the U.S. with a yield reduction of 3.97%. Eighty-two percent (82%) of the U.S. cotton acreage was infested

with bollworm/budworm in 1995, requiring 2.4 applications of insecticide per acre. Beet armyworms are second in 1995, reducing yields by 1.68%. 44% of U.S. acreage was infested by beet armyworms. Boll weevils were a close third at 1.66% reduction in 1995. These pests infested about 62% of the country's cotton crop and required about 2.0 applications of insecticide per acre. Aphids were the 4th most severe pest at 1.09% and *Lygus*, a severe pest in the far west in 1995, dropped to fifth place at 1.02% reduction. Spider mites, whiteflies, and thrips were also costly pests in 1995. Total cost of management and loss to insects to the 1995 crop exceeded \$1.6 8 billion.

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Table 1 USDA 1995 US CROP PRODUCTION: ALL COTTON
 Acres in thousands, yield in pounds per acre, production in thousand 480 pound bales.

--upland--	acres harvested	indic yield	production		
			December 1	November 1	1994
Alabama	585	361	440	440	726
Arizona	364	1,055	800	800	782
Arkansas	1,100	633	1,450	1,430	1,772
California	1,175	940	2,300	2,550	2717
Florida	109	691	157	157	104.1
Georgia	1,490	644	2,000	2,000	1,537
Kansas	2	408	1.7	1.7	1.2
Louisiana	1,065	620	1375	1,350	1,512
Mississippi	1,420	624	1845	1,840	2,132
Missouri	450	555	520	535	615
New Mexico	51	744	79	81	75
North Carolina	780	554	900	900	829
Oklahoma	300	216	135	200	247
South Carolina	335	630	440	450	393
Tennessee	660	531	730	790	885
Texas	5,700	383	4,550	4,800	4,915
Virginia	107	700	156	156	82
total US	15,693	547	17,878.7	18,480.7	19,324.3
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Arizona	48	760	76	74	80.4
California	110	895	205	205	184.8
New Mexico	15	672	21	23	19.5
Texas	33	800	55	55	53
total US	206	832	357	357	337.7
---all cotton----					
TOTAL US	15,899	551	18,235.7	18,837.7	19,662

From USDA National Agricultural Statistics Service - Released 15 December 1995

Table 2. Boll weevil eradication costs by state COTTON INSECT LOSSES 1995

State	Number acres in Eradication	Cost/ Acre	Total Cost
Alabama, North	251,800	\$27.53	\$6,932,054
Alabama, Central	110,000	\$27.50	\$3,025,000
Alabama, South	290,000	\$10.00	\$2,900,000
Arizona	400,000	\$0.40	\$160,000
Arkansas	na	na	na
California	na	na	na
Florida	107,000	\$6.00	\$642,000
Georgia	1,500,000	\$5.50	\$8,250,000
Louisiana	na	na	na
Mississippi	107,000	\$16.00	\$1,712,000
Missouri	na	na	na
New Mexico	na	na	na
North Carolina	810,000	\$2.75	\$2,227,500
Oklahoma	na	na	na
South Carolina	335,000	\$3.20	\$1,072,000
Tennessee, 1	10,000	\$8.18	\$81,800
Tennessee, 2	10,000	\$19.50	\$195,000
Texas, South Rolling Plain	225,000	\$12.00	\$2,700,000
Texas, N/C Rolling Plain*	641,000	\$5.00	\$3,205,000
Texas, High Plains*	5,200,000	\$2.44	\$12,688,000
Texas, Lower Rio Grande	360,000	\$18.00/\$12.00**	\$5,400,000
Texas, Far West*	260,724	\$5.62	\$1,465,437
Virginia	107,000	\$3.24	\$346,680
total US	10,724,524	\$4.94	\$53,002,471

* indicates areas in pre-eradication which have already begun collections and extra management operations.

** Assessments are different for Irrigated (\$18.00) and Dryland (\$12.00).

Table 3. At planting insecticide applications COTTON INSECT LOSSES 1995

State	Number acres	Cost/ Acre	Total Cost
Alabama, North/Central	360,000	\$10.00	\$3,600,000
Alabama, South	270,000	\$11.00	\$2,970,000
Arizona	50,000	\$20.00	\$1,000,000
Arkansas	900,000	\$10.00	\$9,000,000
California	252,798	\$15.00	\$3,791,970
Florida	106,000	\$7.45	\$789,700
Georgia	1,200,000	\$9.75	\$11,700,000
Louisiana	810,183	\$8.79	\$7,121,508
Mississippi	990,000	\$9.50	\$9,405,000
Missouri	374,000	\$10.00	\$3,740,000
New Mexico	7,690	\$10.50	\$80,745
North Carolina	769,500	\$14.00	\$10,773,000
Oklahoma	200,000	\$7.00	\$1,400,000
South Carolina	310,000	\$14.00	\$4,340,000
Tennessee	500,000	\$11.00	\$5,500,000
Texas, South Rolling Plain	22,000	\$3.50	\$77,000
Texas, North Rolling Plain	28,000	\$8.53	\$238,000
Texas, High Plains	1,419,000	\$6.50	\$9,223,500
Texas, Coastal Bend	134,579	\$9.60	\$1,291,958
Texas, Lower Rio Grande	10,000	\$5.00	\$50,000
Texas, Northern Blackland	20,000	\$7.00	\$140,000
Texas, South Central	110,000	\$8.00	\$880,000
Texas, Far West	15,000	\$7.30	\$109,500
Virginia	107,000	\$13.50	\$1,444,500
total US	8,965,750	\$9.89	\$88,665,881

Table 4. Summary of **ALL STATES** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	1240198	318323	0.0	4.84	0.01	1099
Boll weevils	9544079	7030250	2.0	4.89	1.66	451185
Boll/Bud worms	12552133	9259951	2.4	9.68	3.97	856909
Fleahoppers	3151266	1180079	0.1	4.85	0.09	18986
Lygus bugs	8287847	4493424	0.5	8.27	1.02	240134
Leaf perforator	239686	16000	0.0	15.63	0.00	26
Pink bollworm	508275	457000	0.1	11.38	0.18	35758
Spider mites	2945610	1392789	0.1	22.09	0.61	125997
Thrips	11958498	4143843	0.3	4.33	0.34	77327
Beet armyworms	6802984	2617772	0.3	13.67	1.68	368141
Fall armyworms	3136888	689705	0.1	9.77	0.06	14224
Eur corn borer	398500	10600	0.0	6.97	0.00	384
Stink bug	3528967	525843	0.0	5.90	0.17	38081
Grasshopper	193955	20077	0.0	5.52	0.00	388
S M caterpillar	466045	45605	0.0	9.00	0.00	372
Aphids	13838258	5254926	0.6	9.6	1.09	234756
Bnded w whitefly	1578016	46504	0.0	7.62	0.00	105
Swt pot whitefly	906531	522200	0.2	21.68	0.10	20904
Soybean looper	1580988	480494	0.0	9.73	0.00	843
Cabbage looper	3586040	404055	0.0	12.00	0.10	14603
W Flower Thrips	2125176	20040	0.0	4.84	0.00	544
Acraege harvested: 15302464			Yield per acre: 1.33 Bales			

Percent Lost: 11.08 Dollars lost: \$ 712,801,152 Cost per acre: \$ 57.93

Table 5. Summary of **South Alabama** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infested	Acres Treated	# Insec Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	5000	4000	0.0	7.00	0.00	0
Boll weevils	60000	0	0.0	0.00	0.00	0
Boll/Bud worms	290000	280000	5.9	9.75	19.38	62946
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	290000	106000	0.4	3.50	0.41	1332
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	0	0	0.0	0.00	0.00	0
Thrips	290000	220000	0.8	5.00	0.85	2762
Beet armyworms	150000	60000	0.3	11.00	4.00	12997
Fall armyworms	250000	70000	0.5	9.00	0.13	422
Eur corn borer	10000	5000	0.0	6.00	0.00	0
Stink bug	200000	40000	0.2	3.50	0.15	487
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	290000	115000	0.4	8.00	1.00	3250
Bnded w whitefly	200000	5000	0.0	10.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean	5000	1000	0.0	10.00	0.00	0
Cabbage looper	110000	0	0.0	0.00	0.00	0
W Flower Thrips	110000	0	0.0	0.00	0.00	0
Acraege harvested: 260000			Yield per acre: 0.83 Bales			

Percent Lost: 25.93 Dollars lost: \$ 24,248,448 Cost per acre: \$ 76.59

Table 6. Summary of **Central Alabama** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insec Applicat	Cost of 1 Applica	% Yield Reduction	Bales Lost
	Infested	Treated				
Cutworms	1000	800	0.0	6.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	110000	110000	9.6	12.00	55.00	116133
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	110000	45000	0.6	5.50	4.00	8446
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	5000	0	0.0	0.00	0.00	0
Thrips	110000	110000	1.7	4.75	4.12	8699
Beet armyworms	90000	60000	1.9	15.00	10.00	21115
Fall armyworms	55000	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	50000	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	110000	45000	0.6	9.75	5.00	10558
Bnded w whitefly	110000	10000	0.1	10.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	80000	5000	0.1	12.00	0.00	0
Cabbage looper	80000	1000	0.0	8.00	0.00	0
W Flower Thrips	90000	0	0.0	0.00	0.00	0
Acreage harvested:	80000			Yield per acre:	0.42	Bales

Percent Lost: 78.12 Dollars lost: \$ 47,505,888 Cost per acre: \$ 162.20

Table 7. Summary of **North Alabama** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insec Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
	Infested	Treated				
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	230000	230000	5.4	2.50	0.00	0
Boll/Bud worms	251800	251800	6.7	8.96	26.07	79392
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	251800	10000	0.0	2.35	0.00	8
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	40000	0	0.0	0.00	0.00	0
Thrips	251800	251800	1.2	7.45	1.03	3060
Beet armyworms	150000	150000	1.2	3.61	3.00	8914
Fall armyworms	25000	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	5000	0	0.0	0.00	0.00	0
Aphids	251800	151000	0.4	10.30	3.10	9211
Bnded w whitefly	180000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	20000	1000	0.0	0.00	0.00	0
Cabbage looper	30000	0	0.0	0.00	0.00	0
W Flower Thrips	80000	0	0.0	0.00	0.00	0
Acreage harvested:	245000			Yield per acre:	0.81	Bales

Percent Lost: 31.53 Dollars lost: \$ 28,968,48 Cost per acre: \$ 90.90

Table 8. Summary of **Alabama** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	6000	4800	0.0	6.83	0.00	0
Boll weevils	290000	230000	2.3	2.50	0.00	0
Boll/Bud worms	651800	641800	6.7	9.86	29.14	258471
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	651800	161000	0.3	4.08	3.78	33548
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	45000	0	0.0	0.00	0.00	0
Thrips	651800	581800	1.1	6.08	1.64	14521
Beet armyworms	390000	270000	0.9	8.01	4.85	43026
Fall armyworms	330000	70000	0.2	9.00	0.05	422
Eur corn borer	10000	5000	0.0	6.00	0.00	0
Stink bug	250000	40000	0.1	3.50	0.05	487
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	5000	0	0.0	0.00	0.00	0
Aphids	651800	311000	0.4	9.15	2.60	23019
Bnded w whitefly	490000	15000	0.0	10.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	105000	7000	0.0	11.67	0.00	0
Cabbage looper	220000	1000	0.0	8.00	0.00	0
W Flower Thrips	280000	0	0.0	0.00	0.00	0
Acreage harvested: 585000			Yield per acre: 0.77 Bales			

Percent Lost: 49.22 Dollars lost: \$ 100,722,816 Cost per acre: \$ 94.29

Table 9. Summary of **Northeast Arkansas** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acre	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	50000	10000	0.0	7.40	0.00	0
Boll weevils	500000	500000	3.5	5.00	2.00	14063
Boll/Bud worms	500000	450000	3.2	8.50	3.15	23133
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	500000	150000	0.3	5.20	0.15	1055
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	100000	20000	0.1	10.00	0.00	28
Thrips	500000	100000	0.2	5.40	0.02	141
Beet armyworms	50000	2500	0.0	14.70	0.00	18
Fall armyworms	100000	50000	0.1	10.00	0.05	352
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	500000	100000	0.3	8.20	0.50	3516
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 500000			Yield per acre: 1.41 Bales			

Percent Lost: 5.87 Dollars lost: \$ 13,621,163 Cost per acre: \$ 67.71

Table 10. Summary of **Southeast Arkansas** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	50000	10000	0.0	7.40	0.00	0
Boll weevils	500000	490000	4.9	6.50	4.41	32386
Boll/Bud worms	500000	500000	6.0	11.50	4.00	28125
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	500000	150000	0.3	5.20	0.15	1102
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	100000	20000	0.1	10.00	0.00	29
Thrips	500000	100000	0.2	5.40	0.02	147
Beet armyworms	100000	50000	0.1	14.70	0.00	0
Fall armyworms	100000	50000	0.1	10.00	0.05	367
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	500000	100000	0.3	8.20	0.50	3672
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acres harvested:	500000			Yield per acre:	1.47	Bales

Percent Lost: 9.13 Dollars lost: \$ 17,520,660 Cost per acre: \$ 93.42

Table 11. Summary of **Arkansas** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	100000	20000	0.0	7.40	0.00	0
Boll weevils	1000000	990000	4.2	5.88	3.23	46448
Boll/Bud worms	1000000	950000	4.6	10.45	3.57	51258
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	1000000	300000	0.3	5.20	0.15	2156
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	200000	40000	0.1	10.00	0.00	58
Thrips	1000000	200000	0.2	5.40	0.02	288
Beet armyworms	150000	52500	0.1	14.70	0.00	18
Fall armyworms	200000	100000	0.1	10.00	0.05	719
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpilla	0	0	0.0	0.00	0.00	0
Aphids	1000000	200000	0.3	8.20	0.50	7188
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acres harvested:	1000000			Yield per acre:	1.44	Bales

Percent Lost: 7.52 Dollars lost: \$ 31,141,82 Cost per acre: \$ 80.56

Table 12. Summary of **Arizona** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infeste	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	1000	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	40000	10000	0.0	15.00	0.01	62
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	400000	360000	2.3	12.00	6.08	60244
Leaf perforator	150000	15000	0.0	14.00	0.00	0
Pink bollworm	400000	380000	2.9	12.00	1.19	11776
Spider mites	10000	0	0.0	0.00	0.00	0
Thrips	400000	30000	0.1	6.00	0.00	0
Beet armyworms	300000	150000	0.4	15.00	0.09	930
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	100000	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	250000	30000	0.1	10.00	0.00	0
Aphids	75000	35000	0.1	18.00	0.00	0
Bnded w whitefly	100000	0	0.0	0.00	0.00	0
Swt pot whitefly	350000	350000	6.6	22.00	1.31	13016
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	50000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acres harvested:	400000			Yield per acre:	2.48	Bales

Percent Lost: 8.67 Dollars lost: \$ 24,775,800 Cost per acre: \$ 215.06

Table 13. Summary of **San Joaquin Valley California** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	12000	1500	0.0	12.00	0.00	0
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	1263992	1137592	1.3	15.00	4.50	112574
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	1263992	1074393	1.3	25.00	4.25	106320
Thrips	126399	100000	0.1	10.00	0.04	990
Beet armyworms	126399	120000	0.1	12.00	0.05	1188
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	1263992	631996	1.5	20.00	3.50	87557
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	12639	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	126399	100000	0.1	12.00	0.00	99
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acres harvested:	1263992			Yield per acre:	1.98	Bales

Percent Lost: 11.34 Dollars lost: \$ 81,708.95 Cost per acre: \$ 75.52

Table 14. Summary of **Imperial Valley California** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
	Infested	Treated				
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	9200	0	0.0	0.00	0.00	0
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	9200	9200	1.0	30.00	1.00	240
Leaf perforator	1000	1000	0.1	40.00	0.11	26
Pink bollworm	9200	0	0.0	0.00	0.00	0
Spider mites	0	0	0.0	0.00	0.00	0
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworms	0	0	0.0	0.00	0.00	0
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	0	0	0.0	0.00	0.00	0
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	9200	9200	6.0	30.00	5.00	1198
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 9200			Yield per acre: 2.60 Bales			

Percent Lost: 6.11 Dollars lost: \$ 421,500 Cost per acre: \$ 214.35

Table 15. Summary of **California** COTTON INSECT LOSSES 1995

==== Pest =====	Acres		# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
	Infested	Treated				
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	21200	1500	0.0	12.00	0.00	0
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	1273192	1146792	1.3	15.08	4.47	112814
Leaf perforator	1000	1000	0.0	40.00	0.00	26
Pink bollworm	9200	0	0.0	0.00	0.00	0
Spider mites	1263992	1074393	1.3	25.00	4.21	106320
Thrips	126399	100000	0.1	10.00	0.04	990
Beet armyworms	126399	120000	0.1	12.00	0.05	1188
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	1263992	631996	1.0	20.00	2.48	62541
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	21839	9200	0.0	30.00	0.05	1198
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	126399	100000	0.1	12.00	0.00	99
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 1273192			Yield per acre: 1.98 Bales			

Percent Lost: 11.29 Dollars lost: \$ 82,130,459 Cost per acre: \$ 76.03

Table 16. Summary of Florida		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	500	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	107000	106000	5.7	10.20	3.88	4970
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	107000	40000	0.4	2.61	0.46	594
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	10000	200	0.0	7.00	0.00	0
Thrips	107000	2000	0.0	4.00	0.01	7
Beet armyworms	90000	60000	1.1	12.20	3.80	4872
Fall armyworms	15000	6000	0.1	12.50	0.04	47
Eur corn borer	500	0	0.0	0.00	0.00	0
Stink bug	80000	15000	0.1	3.50	0.07	83
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	107000	11000	0.1	4.20	0.17	214
Bnded w whitefly	30000	1000	0.0	8.00	0.00	0
Swt pot whitefly	6000	3000	0.1	10.50	0.00	4
Soybean looper	15000	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 106000			Yield per acre: 1.21 Bales			
Percent Lost: 8.43		Dollars lost: \$ 3,107,953		Cost per acre: \$ 75.01		

Table 17. Summary of Georgia		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yiel	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	200000	35000	0.0	8.25	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	1450000	1400000	3.4	8.33	2.80	56350
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	600000	300000	0.3	4.50	0.40	8050
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	100000	20000	0.0	8.00	0.00	0
Thrips	1400000	100000	0.1	5.50	0.00	0
Beet armyworms	350000	150000	0.2	11.00	0.20	4025
Fall armyworms	75000	40000	0.0	12.00	0.03	537
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	850000	150000	0.1	6.25	0.10	2013
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	1400000	400000	0.3	6.50	0.27	5367
Bnded w whitefly	200000	0	0.0	0.00	0.00	0
Swt pot whitefly	20000	10000	0.0	12.00	0.01	134
Soybean looper	300000	200000	0.1	12.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 1500000			Yield per acre: 1.34 Bales			
Percent Lost: 3.80		Dollars lost: \$ 22,024,800		Cost per acre: \$ 36.16		

Table 18. Summary of **Louisiana** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	244629	115992	0.1	2.12	0.00	2
Boll weevils	1053234	1023263	5.2	3.68	4.64	64756
Boll/Bud worms	1058255	1042335	4.7	10.27	3.18	44349
Fleahoppers	183356	79752	0.2	4.45	0.04	586
Lygus bugs	881737	637506	1.2	4.97	0.37	5177
Leaf perforator	2686	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	323783	34121	0.1	12.31	0.01	149
Thrips	856788	535392	0.4	3.05	0.07	1018
Beet armyworms	772695	262636	0.5	13.85	0.38	5291
Fall armyworms	151367	7790	0.0	9.76	0.00	24
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	8367	1343	0.0	3.01	0.00	7
Grasshopper	2320	977	0.0	0.00	0.00	8
S M caterpillar	61045	6105	0.0	6.00	0.00	0
Aphids	965995	731262	1.4	5.92	0.39	5380
Bnded w whitefly	120721	13504	0.0	8.72	0.00	21
Swt pot whitefly	2442	0	0.0	0.00	0.00	0
Soybean looper	590668	188394	0.2	7.45	0.01	134
Cabbage looper	439871	79705	0.1	7.48	0.02	270
W Flower Thrips	507384	14040	0.0	4.95	0.00	18
Acreage harvested: 1049529			Yield per acre: 1.33 Bales			

Percent Lost: 9.11 Dollars lost: \$ 36,630,532 Cost per acre: \$ 94.93

Table 19. Summary of **Mississippi Delta** COTTON INSECT LOSSES 1995

==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	112459	21200	0.0	5.15	0.03	422
Boll weevils	846280	739700	3.0	2.59	1.37	18616
Boll/Bud worms	881000	874700	4.5	10.43	3.15	42883
Fleahoppers	200700	0	0.0	0.00	0.00	0
Lygus bugs	861700	752355	1.2	4.69	0.74	10070
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	265655	81700	0.1	8.20	0.09	1263
Thrips	794138	620000	0.8	2.58	0.26	3487
Beet armyworms	398682	169836	0.3	12.42	0.37	5022
Fall armyworms	142955	15000	0.0	9.53	0.02	221
Eur corn borer	20000	0	0.0	0.00	0.00	0
Stink bug	102050	0	0.0	0.00	0.00	0
Grasshopper	50	0	0.0	0.00	0.00	0
S M caterpillar	10000	3000	0.0	8.00	0.00	9
Aphids	899200	724527	1.3	7.06	1.71	23275
Bnded w whitefly	213345	7500	0.0	5.20	0.00	16
Swt pot whitefly	30000	0	0.0	0.00	0.00	0
Soybean looper	252345	42500	0.1	9.00	0.00	61
Cabbage looper	231345	12000	0.0	8.42	0.00	48
W Flower Thrips	236682	0	0.0	0.00	0.00	0
Acreage harvested: 962260			Yield per acre: 1.41 Bales			

Percent Lost: 7.74 Dollars lost: \$ 30,352,921 Cost per acre: \$ 76.32

Table 20. Summary of Mississippi Hills			COTTON INSECT LOSSES 1995			
==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	128010	29880	0.1	3.92	0.07	307
Boll weevils	474988	474138	5.9	2.52	4.34	18956
Boll/Bud worms	475288	475288	8.2	10.38	23.27	101530
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	334383	210525	0.9	3.99	0.31	1336
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	161600	15685	0.1	11.73	0.08	345
Thrips	398793	240406	0.8	2.97	0.27	1174
Beet armyworms	299278	143270	0.6	13.68	1.23	5381
Fall armyworms	197083	19851	0.0	10.47	0.06	243
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	90950	0	0.0	0.00	0.00	0
Grasshopper	115000	0	0.0	0.00	0.00	0
S M caterpillar	14600	3500	0.0	5.00	0.00	0
Aphids	335895	108225	0.3	6.25	0.71	3115
Bnded w whitefly	185450	9500	0.0	5.38	0.02	68
Swt pot whitefly	5250	0	0.0	0.00	0.00	0
Soybean looper	267975	34600	0.1	9.20	0.03	119
Cabbage looper	190925	9300	0.0	9.65	0.02	90
W Flower Thrips	71500	0	0.0	0.00	0.00	0
Acreage harvested: 451038			Yield per acre: 0.97 Bales			
Percent Lost: 30.40			Dollars lost: \$ 38,207,192		Cost per acre: \$ 118.51	

Table 21. Summary of Mississippi			COTTON INSECT LOSSES 1995			
==== Pest =====	Acres Infested	Acres Treated	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Cutworms	240469	51080	0.0	4.30	0.04	729
Boll weevils	1321268	1213838	4.0	2.55	2.09	37572
Boll/Bud worms	1356288	1349988	5.7	10.41	8.03	144413
Fleahoppers	200700	0	0.0	0.00	0.00	0
Lygus bugs	1196083	962880	1.1	4.51	0.63	11406
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	427255	97385	0.1	9.00	0.09	1607
Thrips	1192931	860406	0.8	2.70	0.26	4661
Beet armyworms	697960	313106	0.4	13.05	0.58	10403
Fall armyworms	340038	34851	0.0	10.06	0.03	465
Eur corn borer	20000	0	0.0	0.00	0.00	0
Stink bug	193000	0	0.0	0.00	0.00	0
Grasshopper	115050	0	0.0	0.00	0.00	0
S M caterpillar	24600	6500	0.0	6.38	0.00	9
Aphids	1235095	832752	1.0	6.98	1.47	26390
Bnded w whitefly	398795	17000	0.0	5.32	0.00	84
Swt pot whitefly	35250	0	0.0	0.00	0.00	0
Soybean looper	520320	77100	0.1	9.07	0.01	180
Cabbage looper	422270	21300	0.0	8.95	0.01	138
W Flower Thrips	308182	0	0.0	0.00	0.00	0
Acreage harvested: 1413298			Yield per acre: 1.27 Bales			
Percent Lost: 13.24			Dollars lost: \$ 68,560,113		Cost per acre: \$ 89.78	

Table 22. Summary of **Missouri** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	154000	37840	0.1	7.50	0.00	25
Boll weevils	375000	375000	3.2	6.00	2.56	15000
Boll/Bud worms	361680	344828	1.3	10.50	1.41	8276
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	302280	294096	0.8	5.50	0.33	1961
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	22000	22000	0.1	11.00	0.00	12
Thrips	347600	120000	0.3	6.00	0.27	1600
Beet armyworms	10000	0	0.0	0.00	0.00	0
Fall armyworms	232540	230164	0.6	9.50	0.39	2302
Eur corn borer	88000	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	321816	181632	0.7	9.00	0.02	121
Bnded w whitefly	200000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	200000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 440000			Yield per acre: 1.18 Bales			
Percent Lost: 4.99 Dollars lost: \$ 8,437,306 Cost per acre: \$ 52.32						

Table 23. Summary of **New Mexico** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	600	0	0.0	0.00	0.00	0
Boll weevils	36300	2307	0.1	8.60	0.46	504
Boll/Bud worms	48300	13500	0.3	10.20	1.57	1739
Fleahoppers	9600	1500	0.0	8.00	0.09	100
Lygus bugs	22450	5310	0.1	10.50	0.51	566
Leaf perforator	1000	0	0.0	0.00	0.00	0
Pink bollworm	27900	12000	0.5	9.50	1.73	1910
Spider mites	9280	3140	0.0	7.70	0.07	79
Thrips	47370	20245	0.5	8.33	2.16	2396
Beet armyworms	33930	11330	0.5	13.33	2.22	2455
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	7600	500	0.0	10.00	0.01	8
Grasshopper	11485	1000	0.0	10.00	0.02	17
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	39950	18200	0.5	8.61	1.26	1398
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 66400			Yield per acre: 1.67 Bales			
Percent Lost: 10.09 Dollars lost: \$ 3,217,196 Cost per acre: \$ 24.29						

Table 24. Summary of North Carolina		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	810000	780000	2.6	9.20	3.70	35227
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	810000	4600	0.0	7.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	0	0	0.0	0.00	0.00	0
Thrips	810000	160000	0.2	3.25	0.20	1955
Beet armyworms	700000	600	0.0	15.25	0.04	280
Fall armyworms	202000	400	0.0	12.25	0.39	788
Eur corn borer	210000	600	0.0	9.20	0.12	252
Stink bug	750000	500	0.0	5.00	0.20	1500
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	810000	1000	0.0	4.25	0.00	0
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 780000			Yield per acre: 1.17 Bales			
Percent Lost: 4.65		Dollars lost: \$ 11,520,576		Cost per acre: \$ 23.16		

Table 25. Summary of Oklahoma		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	300000	275000	2.5	7.25	7.28	18181
Boll/Bud worms	325000	200000	1.8	11.75	2.46	6150
Fleahoppers	325000	100000	0.3	7.25	0.31	769
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	35000	5000	0.0	10.75	0.01	19
Thrips	325000	175000	0.5	5.00	0.27	673
Beet armyworms	100000	20000	0.1	12.00	0.09	231
Fall armyworms	30000	500	0.0	12.00	0.00	1
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	300000	175000	1.1	10.00	2.75	3363
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	10000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 325000			Yield per acre: 0.65 Bales			
Percent Lost: 13.17		Dollars lost: \$ 9,200,392		Cost per acre: \$ 56.71		

Table 26. Summary of **South Carolina** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	16612	16612	0.3	3.00	0.00	0
Boll/Bud worms	320000	315000	4.7	7.00	4.70	20836
Fleahoppers	10000	500	0.0	5.00	0.00	0
Lygus bugs	100000	3000	0.0	5.00	0.01	40
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	50000	5000	0.0	15.00	0.01	66
Thrips	335000	75000	0.4	6.00	0.67	2977
Beet armyworms	75000	30000	0.2	17.00	0.90	3969
Fall armyworms	150000	10000	0.0	16.00	0.09	397
Eur corn borer	50000	5000	0.0	7.50	0.03	132
Stink bug	50000	30000	0.1	6.00	0.22	992
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	125000	15000	0.1	6.50	0.00	0
Bnded w whitefly	10000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	40000	8000	0.0	15.00	0.12	529
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested:	335000			Yield per acre:	1.32	Bales

Percent Lost: 6.76 Dollars lost: \$ 8,622,030 Cost per acre: \$ 41.99

Table 27. Summary of **Tennessee** COTTON INSECT LOSSES 1995

==== Pest ===	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	35000	15000	0.0	5.00	0.02	180
Boll weevils	650000	550000	2.5	5.50	3.33	26354
Boll/Bud worms	600000	475000	2.9	12.00	10.80	85352
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	500000	250000	0.4	5.50	0.38	2995
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	10000	2000	0.0	9.00	0.00	24
Thrips	600000	250000	0.4	4.00	0.38	2995
Beet armyworms	25000	2000	0.0	14.00	0.01	48
Fall armyworms	50000	5000	0.0	12.00	0.08	599
Eur corn borer	20000	0	0.0	0.00	0.00	0
Stink bug	125000	5000	0.0	5.00	0.01	60
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	400000	30000	0.0	8.00	0.05	359
Bnded w whitefly	25000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	100000	5000	0.0	12.00	0.01	60
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested:	660000			Yield per acre:	1.10	Bales

Percent Lost: 15.05 Dollars lost: \$ 34,279,200 Cost per acre: \$ 52.66

Table 28. Summary of Texas Southern Rolling Plains COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	29000	29000	0.6	3.00	1.00	2096
Boll/Bud worms	295000	190000	1.0	11.00	10.00	20997
Fleahoppers	295000	0	0.0	0.00	1.00	0
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	25000	25000	0.2	15.00	2.00	4199
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworms	295000	180000	1.5	18.00	30.00	62992
Fall armyworms	25000	0	0.0	0.00	1.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	265000	5000	0.0	6.00	2.00	2096
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	295000	225000	1.9	10.00	8.00	16798
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	200000	10000	0.0	17.00	1.00	2096
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreeage harvested: 240000			Yield per acre: 0.38			

Percent Lost: 56.0 Dollars lost: \$ 32,046,912 Cost per acre: \$ 62.84

Table 29. Summary of Texas Northern Rolling Plains COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	641000	360000	1.3	6.01	9.20	33427
Boll/Bud worms	641000	224000	0.6	11.65	8.20	29793
Fleahoppers	641000	128000	0.2	5.06	0.70	2543
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	48000	10000	0.0	12.88	0.10	363
Thrips	150000	15000	0.0	4.08	0.10	363
Beet armyworms	224000	87000	0.3	9.80	1.10	3997
Fall armyworms	30000	10000	0.0	9.80	0.10	363
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	14000	1500	0.0	8.11	0.10	363
Grasshopper	60000	18000	0.0	5.25	0.10	363
S M caterpillar	15000	1000	0.0	7.87	0.10	363
Aphids	600000	250000	0.6	13.20	1.80	6540
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	26000	6000	0.0	9.50	0.10	363
W Flower Thrips	125000	6000	0.0	4.56	0.10	363
Acreeage harvested: 545000			Yield per acre: 0.52 Bales			

Percent Lost: 21.8 Dollars lost: \$ 22,810,752 Cost per acre: \$ 27.26

Table 30. Summary of Texas High Plains		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	2300000	650000	0.8	8.00	4.00	119983
Boll/Bud worms	1800000	500000	0.2	10.10	1.50	44994
Fleahoppers	120000	10000	0.0	4.55	0.00	0
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	40000	15000	0.0	15.25	0.10	3000
Thrips	2700000	500000	0.2	4.75	1.00	29996
Beet armyworms	1650000	450000	0.2	16.50	1.00	14998
Fall armyworms	850000	150000	0.0	10.00	0.50	3000
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	250000	10000	0.0	5.75	0.10	10
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	2800000	500000	0.2	7.85	0.30	8999
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	1000000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 3130000			Yield / acre: 0.88			
Percent Lost: 8.5		Dollars lost: \$ 64,791,360		Cost per acre: \$ 15.85		

Table 31. Summary of Texas Coastal Bend		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	207000	33611	0.1	6.34	0.00	0
Boll weevils	517610	491730	4.8	6.31	4.00	36479
Boll/Bud worms	517610	207000	0.8	7.34	1.00	9120
Fleahoppers	517610	362327	1.1	5.43	1.00	9120
Lygus bugs	258805	12940	0.0	8.00	0.00	0
Leaf perforator	35000	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	175000	5000	0.0	8.00	1.00	9120
Thrips	517610	103000	0.2	4.20	1.00	9120
Beet armyworms	284000	125000	0.4	15.50	2.00	23546
Fall armyworms	194943	25000	0.0	6.85	0.50	4560
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	131000	81000	0.2	5.40	1.00	9120
Grasshopper	5000	0	0.0	0.00	0.00	0
S M caterpillar	10400	2000	0.0	4.95	0.00	0
Aphids	517610	207044	0.6	7.10	3.00	27360
Bnded w whitefly	3500	0	0.0	0.00	0.00	0
Swt pot whitefly	111000	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	366000	80850	0.2	8.30	1.00	9120
W Flower Thrips	517610	0	0.0	0.00	0.00	0
Acreage harvested: 515610			Yield per acre: 1.50 Bales			
Percent Lost: 15.0		Dollars lost: \$ 42,239,520		Cost per acre: \$ 50.01		

Table 32. Summary of Texas Lower Rio Grande Valley COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	50000	5000	0.0	10.00	0.05	163
Boll weevils	360000	355000	11.8	5.50	1.10	3604
Boll/Bud worms	360000	25000	0.2	9.00	0.75	2457
Fleahoppers	360000	275000	1.8	5.00	0.20	658
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	50000	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	100000	15000	0.1	10.00	0.05	9
Thrips	25000	5000	0.0	5.00	0.05	163
Beet armyworms	360000	250000	5.0	18.00	50.00	163800
Fall armyworms	250000	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	100000	0	0.0	0.00	0.00	0
Aphids	360000	300000	4.0	8.50	6.00	19659
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	360000	150000	2.0	18.00	2.00	6552
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	360000	100000	1.3	15.00	0.75	2457
W Flower Thrips	360000	0	0.0	0.00	0.05	163
Acreage harvested: 150000			Yield per acre: 0.17 Bales			

Percent Lost: 61.0 Dollars lost: \$ 57,506,688 Cost per acre: \$ 257.25

Table 33. Summary of Texas North Central COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	117000	45000	0.8	4.50	4.00	3861
Boll/Bud worms	117000	73000	1.2	3.25	3.50	3378
Fleahoppers	117000	66000	1.1	2.75	1.20	1158
Lygus bugs	117000	10000	0.1	4.00	0.50	483
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	46000	18000	0.2	10.00	1.00	965
Thrips	117000	90000	1.5	2.50	0.50	483
Beet armyworms	0	0	0.0	0.00	0.00	0
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	100000	69000	0.6	5.00	7.00	6757
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	10000	0	0.0	0.00	0.00	0
Cabbage looper	10000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 117000			Yield per acre: 0.68 Bales			

Percent Lost: 18.0 Dollars lost: \$ 4,920,480 Cost per acre: \$ 19.29

Table 34. Summary of **Texas South Central** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	1000	0	0.0	0.00	0.00	0
Boll weevils	142000	130000	2.7	4.75	3.50	4294
Boll/Bud worms	130000	125000	2.6	9.00	9.00	10617
Fleahoppers	142000	137000	1.9	3.75	1.00	1293
Lygus bugs	47500	5300	0.0	5.00	2.00	100
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	5300	1550	0.0	14.00	0.50	7
Thrips	142000	114000	0.8	2.50	0.00	0
Beet armyworms	19000	3600	0.0	3.00	0.00	0
Fall armyworms	11000	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	5000	0	0.0	0.00	0.00	0
Grasshopper	100	100	0.0	2.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	140000	30040	0.2	5.00	8.00	2268
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	55500	200	0.0	8.00	0.00	0
W Flower Thrips	27000	0	0.0	0.00	0.00	0
Acres harvested:	142000			Yield per acre:	0.94	Bales

Percent Lost: 24.0 Dollars lost: \$ 5,350,752 Cost per acre: \$ 47.54

Table 35. Summary of **Texas Far West** COTTON INSECT LOSSES 1995

==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	394455	293000	2.8	6.00	7.00	38626
Boll/Bud worms	435000	180000	0.4	10.00	3.00	16554
Fleahoppers	230000	20000	0.0	5.50	0.50	2759
Lygus bugs	20000	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	71175	65000	0.5	8.05	4.00	22072
Spider mites	0	0	0.0	0.00	0.00	0
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworms	150000	80000	0.2	20.00	4.00	22072
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	435000	170000	0.4	6.62	3.50	19313
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	280000	100000	0.2	7.25	2.00	11036
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acres harvested:	42243			Yield per acre:	1.08	Bales

Percent Lost: 17.0 Dollars lost: \$ 38,140,416 Cost per acre: \$ 33.05

Table 36. Summary of Texas		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applica	Reduction	Lost
Cutworms	258000	38611	0.0	6.81	0.00	163
Boll weevils	4501065	2353730	1.8	6.43	2.14	242370
Boll/Bud worms	4295610	1524000	0.5	9.35	0.98	137910
Fleahoppers	2422610	998327	0.3	4.72	0.17	17531
Lygus bugs	443305	28240	0.0	6.02	0.00	583
Leaf perforator	85000	0	0.0	0.00	0.00	0
Pink bollworm	71175	65000	0.0	8.05	0.06	22072
Spider mites	439300	89550	0.0	13.08	0.01	17663
Thrips	3651610	827000	0.2	3.96	0.14	40125
Beet armyworms	2982000	1175600	0.4	15.44	1.72	291405
Fall armyworms	1360943	185000	0.0	9.56	0.02	7923
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	1100000	267500	0.1	6.21	0.17	30902
Grasshopper	65100	18100	0.0	5.23	0.00	363
S M caterpillar	125400	3000	0.0	5.92	0.00	363
Aphids	5092610	1681084	0.5	8.76	0.67	99416
Bnded w whitefly	3500	0	0.0	0.00	0.00	0
Swt pot whitefly	471000	150000	0.1	18.00	0.01	6552
Soybean looper	10000	0	0.0	0.00	0.00	0
Cabbage looper	2017500	197050	0.1	13.12	0.03	14036
W Flower Thrips	1029610	6000	0.0	4.56	0.00	526
Acreage harvested: 5262045			Yield per acre: 0.86 Bales			
Percent Lost: 15.58		Dollars lost: \$ 267,806,880		Cost per acre: \$ 31.72		

Table 37. Summary of Virginia		COTTON INSECT LOSSES 1995				
==== Pest =====	Acres	Acres	# Insect	Cost of 1	% Yield	Bales
	Infested	Treated	Applicat	Applicat	Reduction	Lost
Cutworms	0	0	0.0	0.00	0.00	0
Boll weevils	600	500	0.0	0.00	0.00	0
Boll/Bud worms	107000	106000	1.5	10.00	0.99	1546
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	0	0	0.0	0.00	0.00	0
Thrips	107000	107000	1.0	6.50	2.00	3121
Beet armyworms	0	0	0.0	0.00	0.00	0
Fall armyworms	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	15000	1000	0.0	10.00	0.02	29
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	50000	0	0.0	0.00	0.00	0
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 107000			Yield per acre: 1.46 Bales			
Percent Lost: 3.01		Dollars lost: \$ 1,352,400		Cost per acre: \$ 21.45		