

COTTON INSECT LOSSES FOR 1992

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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 eight percent loss on 25 of these acres, then in the table summary this shows up as a total 2% loss. This type of averaging is used for all data reported including yields and costs of control.

Highlights

From the high of over 2% in 1991, aphid damage decreased to an estimated 0.29% in 1992. The traditional big three rebounded with boll/budworms at 2.21%, boll weevils at 2.12% and Lygus at 0.89%.

Even though estimated overall losses were small, several secondary pests infested significant acreage.

These include both beet and fall armyworms infesting over two million acres each, banded wing whiteflies and Western flower thrips about two million almost 800,000 acres and European corn borer infesting over 400,000 acres. Total losses were up from 5.63% in 1991 to 6.90% in 1992. Cost of control increased from \$33.39 in 1991 to \$46.81 in 1992.

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Table 1	USDA 1992 US CROP PRODUCTION: ALL COTTON		
Acres in thousands, yield in pounds per acre, production in thousand 480-pound bales.			
Upland	Acres hvstd	Indic Yield	Production
			Dec.1 Nov.1 1991

Alabama	435	673	610	610	553
Arizona	323	1,063	715	725	898
Arkansas	960	825	1,650	1,600	1,576
California	995	1,327	2,750	2,700	2,548
Florida	50	780	81	81	73
Georgia	458	744	710	735	722
Kansas	3	250	1	1	1
Louisiana	880	709	1,300	1,300	1,414
Mississippi	1,345	767	2,150	2,200	2,275
Missouri	343	763	545	500	429
New Mexico	45	651	61	61	63
North Carolina	380	610	490	510	640
Oklahoma	345	320	230	230	240
South Carolina	193	560	225	225	344
Tennessee	620	627	810	800	701
Texas	3,550	460	3,400	3,400	4,710
Virginia	22	650	30	30	28
US	10,947	691	15,758	15,709	17,216
pima		692	150	155	185
Arizona	104				
California	110	1,178	270	260	146
Mississippi	1	480	1	1	1
New Mexico	18	600	23	23	19
Texas	38	733	58	58	48
US	271	889	501	496	398
All cotton		696	16,259	16,205	17,614
US 11,217					

All States Cotton Insect Losses for 1992						
Table 2						
Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% of Yield Reduction	Bales Lost
Boll Weevils	6172956	4776928	108	5.38	2.12	336584
Boll/Bud worms	8225356	5917902	2.2	9.28	2.21	350897
Fleahopper	3553066	1631844	0.2	4.19	0.11	18217
Lygus bugs	5798060	3231350	0.4	6.46	0.89	140468
Leaf perforator	395100	75000	0.0	11.18	0.00	367
Pink Bollworm	480000	160500	0.0	9.77	0.04	6647
Spider mites	3106415	679120	0.1	10.02	0.20	31521
Thrips	7435426	4964321	0.6	7.30	0.37	58071
Beet armyworm	2468000	307950	0.0	10.41	0.00	658
Fall armyworm	2092300	484300	0.0	10.37	0.08	13042
Eur corn borer	403700	6000	0.0	6.00	0.00	27
Stink bug	3089650	300900	0.0	8.19	0.02	2842
Grasshopper	298500	44140	0.0	6.22	0.00	0
SM caterpillar	111100	0	0.0	0.00	0.00	0
Aphids	8274170	2161340	0.3	8.55	0.29	45973
Bnded w whitefly	2378000	401700	0.0	7.25	0.01	1088
Swt pot whitefly	760600	425100	0.2	18.62	0.55	87322

Soybean looper	635500	77500	0.0	11.55	0.01	988
Cabbage looper	2052500	153500	0.0	10.40	0.00	169
W Flower Thrips	17460000	122500	0.0	13.78	0.00	124
Acreage harvested: 10941356 Yield per acre:1.45 Bales (T/F): T						
Percent Lost: 6.90 Dollars Lost: 315,516,195 Cost per acre: 46.81						

Table 3 Alabama (Central) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	100000	100000	5.0	2.75	5.00	7552
Boll/Bud Worms	100000	100000	4.0	6.00	3.00	4531
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	100000	20000	0.2	2.25	0.10	151
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	5000	0.0	0.00	0.00	0
Thrips	100000	25000	0.3	1.50	0.05	76
Beet armyworm	50000	8000	0.2	14.00	0.12	181
Fall armyworm	100000	75000	0.8	8.00	0.37	566
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
SM Caterpillar	0	0	0.0	0.00	0.00	0
Aphids	100000	4000	0.0	3.50	0.01	12
Bnded w whitefly	100000	50000	1.0	6.50	0.25	378
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	30000	4000	0.0	0.00	0.00	0
Cabbage looper	10000	0	0.0	0.00	0.00	0
W Flower Thrips	10000	0	0.0	0.00	0.00	0
Acreage harvested: 100000 Yield per acre: 1.51 Bales(T/F): T						
Percent Lost: 8.90 Dollars Lost: 3,872,805 Cost per Acre: 54.58						

Table 4 Alabama (North) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	236100	236100	5.7	1.90	7.50	26192
Boll/Bud worms	236100	200000	2.2	5.25	2.54	8875
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	236100	150000	0.6	1.75	0.76	2663
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	160000	30000	0.0	7.40	0.06	222
Thrips	236100	15000	0.0	1.50	0.01	22
Beet armyworm	180000	500	0.0	0.00	0.00	1
Fall armyworm	75000	3500	0.0	0.00	0.00	16
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	210000	60000	0.1	1.80	0.03	89
Bnded w whitefly	90000	20000	0.0	6.00	0.01	30
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	50000	0	0.0	0.00	0.00	0
W Flower Thrips	150000	0	0.0	0.00	0.00	0
Acreage harvested: 236100 Yield per acre: 1.48 Bales (T/F): T						
Percent Lost: 10.91 Dollars Lost: 10,975,464 Cost per Acre: 23.70						

Table 5 Alabama (South) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	100000	95000	3.3	5.50	1.90	2573
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	100000	20000	0.2	2.25	0.10	135
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	30000	5000	0.0	0.00	0.00	0
Thrips	100000	25000	0.3	1.50	0.05	68
Beet armyworm	60000	5600	0.2	14.00	0.03	38
Fall armyworm	95000	70000	0.7	8.00	0.35	474
Eur corn borer	5000	5000	0.1	6.00	0.01	7
Stink bug	80000	30000	0.3	3.50	0.15	203
Grasshopper	0	0	0.0	0.00	0.00	0
S M Caterpillar	0	0	0.0	0.00	0.00	0
Aphids	100000	10000	0.1	3.50	0.02	27
Bnded w whitefly	98000	45000	0.9	6.50	0.23	305
Swt pot whitefly	1000	0	0.0	0.00	0.00	0
Soybean looper	30000	2000	0.0	0.00	0.00	0
Cabbage looper	10000	0	0.0	0.00	0.00	0
W Flower Thrips	20000	0	0.0	0.00	0.00	0
Acreage harvested: 100000 Yield per Acre: 1.35 Bales(T/F): T						
Percent Lost: 2.83 Dollars Lost: 1,102,920 Cost per Acre: 34.91						

Table 6 Alabama (Summary) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	336100	336100	4.2	2.13	5.31	33744
Boll/Bud worms	436100	395000	2.9	5.56	2.51	15979
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	436100	190000	0.4	1.86	0.46	2949
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	215000	40000	0.0	7.40	0.03	222
Thrips	436100	65000	0.1	1.50	0.03	165
Beet armyworm	290000	14100	0.1	14.00	0.03	221
Fall armyworm	270000	148500	0.3	8.00	0.17	1056
Eur corn borer	5000	5000	0.0	6.00	0.00	7
Stink bug	80000	30000	0.1	3.50	0.03	203
Grasshopper	0	0	0.0	0.00	0.00	0
S M Caterpillar	0	0	0.0	0.00	0.00	0
Aphids	410000	74000	0.1	2.72	0.02	128
Bnded w whitefly	288000	115000	0.4	6.49	0.11	712
Swt pot whitefly	1000	0	0.0	0.00	0.00	0

Soybean looper	70000	6000	0.0	0.00	0.00	0
Cabbage looper	70000	0	0.0	0.00	0.00	0
W Flower Thrips	180000	0	0	0.00	0.00	0
Acreage harvested: 436100 Yield per acre: 1.46 Bales(T/F): T						
Percent Lost: 8.71 Dollars Lost: 15,951,189 Cost per Acre: 33.35						

Table 7 Arkansas (North) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	592000	475000	3.0	6.00	0.60	5566
Boll/Bud worms	592000	452000	1.5	8.50	0.92	8475
Fleahopper	20000	2000	0.0	4.50	0.00	3
Lygus bugs	592000	210000	0.4	4.50	0.05	492
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	75000	12000	0.0	7.80	0.00	2
Thrips	592000	550000	0.9	7.50	0.46	4297
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	592000	90000	0.2	5.80	0.06	563
Bnded w whitefly	50000	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	50000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 592000 Yield per acre: 1.56 Bales (T/F): T						
Percent Lost: 2.10 Dollars Lost: 5,586,615 Cost per Acre: 40.12						

Table 8 Arkansas (South) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	418000	318000	3.2	6.00	0.76	4969
Boll/Bud Worms	418000	418000	7.0	10.50	5.00	32656
Fleahopper	15000	0	0.0	0.00	0.00	0
Lygus bugs	418000	195000	0.5	4.50	0.19	1219
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	73000	3000	0.0	0.00	0.00	0
Thrips	418000	410000	1.0	8.50	0.49	3203
Beet armyworm	5000	0	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	145350	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	418000	100000	0.2	8.00	0.12	781
Bnded w whitefly	145000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0

Soybean looper	5000	0	0.0	0.00	0.00	0
Cabbage looper	195500	49000	0.1	10.75	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 418000 Yield per acre: 1.56 Bales (T/F): T						
Percent Lost: 6.56 Dollars Lost: 12,334,500 Cost per Acre: 106.28						

Table 9 Arkansas (Summary) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	1010000	793000	3.1	6.00	0.67	10535
Boll/Bud Worms	1010000	870000	3.7	10.05	2.61	41131
Fleahopper	35000	2000	0.0	4.50	0.00	3
Lygus bugs	1010000	405000	0.4	4.50	0.11	1711
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	148000	15000	0.0	7.80	0.00	2
Thrips	1010000	960000	1.0	7.93	0.48	7500
Beet armyworm	5000	0	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	145350	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	1010000	190000	0.2	6.96	0.09	1344
Bnded w whitefly	195000	0	0.0	0.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	5000	0	0.0	0.00	0.00	0
Cabbage looper	245500	49000	0.0	10.75	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 1010000 Yield per acre: 1.56 Bales(T/F): T						
Percent Lost : 3.94 Dollars Lost: 17,921,115 Cost per Acre: 67.50						

Table 10 Arizona Cotton Insect Losses for 1992

Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	20000	10000	0.0	11.00	0.01	52
Fleahopper	200000	10000	0.0	8.00	0.00	0
Lygus bugs	400000	100000	0.5	10.00	0.12	1030
Leaf perforator	200000	50000	0.2	12.00	0.01	103
Pink bollworm	425000	150000	1.1	10.00	0.73	6181
Spider mites	6000	1000	0.0	15.00	0.00	0
Thrips	425000	5000	0.0	15.00	0.00	0
Beet armyworm	400000	10000	0.0	10.00	0.00	21
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	425000	50000	0.2	12.00	0.04	309
Grasshopper	3000	0	0.0	0.00	0.00	0
S M Caterpillar	100000	0	0.0	0.00	0.00	0
Aphids	200000	10000	0.5	15.00	0.37	3091
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	400000	350000	5.1	18.00	8.54	72115
Soybean looper	0	0	0.0	0.00	0.00	0

Cabbage looper	100000	14000	0.1	10.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 410000 Yield per acre: 2.06 Bales (T/F): T						
Percent Lost: 9.81 Dollars Lost: 23,875,449 Cost per Acre: 122.96						

Table 11 California Cotton Insect Losses for 1992

Boll weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	0	0	0.0	0.00	0.00	0
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	800000	510000	0.5	14.83	2.29	73153
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	820000	315000	0.3	9.17	0.50	15947
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworm	156000	67000	0.0	5.33	0.00	38
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	250000	145000	0.1	9.50	0.01	204
Grasshopper	0	0	0.0	0.00	0.00	0
S M Caterpillar	0	0	0.0	0.00	0.00	0
Aphids	3050000	230000	0.1	13.33	0.49	15525
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	22000	20000	0.1	30.00	0.44	14063
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	18000	18000	0.0	6.50	0.00	0
W Flower Thrips	185000	110000	0.1	15.00	0.00	124
Acreage harvested: 1138000 Yield per acre: 2.81 Bales (T/F): T						
Percent Lost: 3.72 Dollars Lost: 34,287,219 Cost per Acre: 18.52						

Table 12 Florida Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	50000	50000	5.0	8.50	3.00	2344
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	1200	100	0.0	5.10	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	50000	300	0.0	0.00	0.05	38
Beet armyworm	500	0	0.0	0.00	0.00	0
Fall armyworm	1500	1000	0.0	12.10	0.07	58
Eur corn borer	200	0	0.0	0.00	0.00	0
Stink bug	400	100	0.0	4.75	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	50000	400	0.0	8.50	0.00	0
Bnded w whitefly	5000	200	0.0	9.50	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	500	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: 50000 Yield per acre: 1.56 Bales (T/F): T						
Percent Lost: 3.12 Dollars Lost: 702,941 Cost per Acre: 43.11						

Table 13 Georgia Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	25000	25000	0.4	40.50	0.00	0
Boll/Bud worms	450000	400000	3.4	5.25	1.78	12383
Fleahopper	20000	5000	0.0	1.10	0.00	0
Lygus bugs	100000	50000	0.1	3.50	0.11	774
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	12500	0	0.0	0.00	0.00	0
Thrips	400000	400000	0.9	10.75	0.00	0
Beet armyworm	100000	15000	0.1	7.00	0.00	0
Fall armyworm	100000	40000	0.2	8.75	0.62	4334
Eur corn borer	0	15000	0.0	0.00	0.00	0
Stink bug	150000	40000	0.0	2.25	0.02	155
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	300000	50000	0.1	3.50	0.17	1161
Bnded w whitefly	250000	75000	0.2	4.15	0.00	0
Swt pot whitefly	25000	5000	0.0	12.00	0.01	77
Soybean looper	50000	10000	0.0	9.10	0.07	464
Cabbage looper	0	0	0.0	0.00	0.00	0
W Flowe Thrips	50000	12500	0.0	3.00	0.00	0

Acreage harvested: 450000 Yield per acre: 1.55 Bales (T/F): T

Percent Lost: 2.78 Dollars Lost: 5,572,500 Cost per Acre: 49.64

Table 14 Louisiana Cotton Insect Losses 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	880000	807649	4.8	3.25	3.67	48997
Boll/Bud worms	880000	821342	5.8	8.50	7.47	99656
Fleahopper	211510	102706	0.0	3.10	0.01	156
Lygus bugs	482760	310200	0.4	3.25	0.35	4705
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	204110	16315	0.0	5.00	0.00	49
Thrips	719470	678221	0.6	6.00	0.00	0
Beet armyworm	61200	12800	0.0	11.00	0.00	19
Fall armyworm	19000	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	442714	241640	0.3	7.25	0.03	366
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	201000	0	0.0	0.00	0.00	0
Acreage harvested: 880000 Yield per acre: 1.52 Bales (T/F): T						
Percent Lost: 11.53 Dollars Lost: 44,337,426 Cost per Acre: 72.02						

Table 15 Mississippi (Delta) Cotton Insect Losses for 1992

Pest	Acres harvested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	850000	500000	0.9	5.50	0.71	10225
Boll/Bud worms	850000	800000	6.6	12.00	5.18	74983
Fleahopper	100000	50000	0.0	4.00	0.01	85
Lygus bugs	850000	800000	1.4	6.00	1.13	16360
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	500000	50000	0.1	12.00	0.01	85
Thrips	850000	850000	2.5	7.00	0.20	2897
Beet armyworm	750000	150000	0.1	11.00	0.02	256
Fall armyworm	850000	100000	0.1	12.00	0.02	341
Eur corn borer	5000	0	0.0	0.00	0.00	0
Stink bug	850000	5000	0.0	5.00	0.00	9
Grasshopper	150000	5000	0.0	10.00	0.00	0
S M caterpillar	10000	0	0.0	0.00	0.00	0
Aphids	850000	300000	0.7	9.50	0.07	1023
Bnded w whitefly	850000	200000	0.1	11.50	0.02	341
Swt pot whitefly	500	0	0.0	0.00	0.00	0
Soybean looper	300000	20000	0.0	12.00	0.01	102
Cabbage looper	850000	50000	0.0	12.00	0.01	85
W Flower Thrips	850000	0	0.0	0.00	0.00	0
Acreage harvested: 850000 Yield per acre: 1.70 Bales (T/F): T						
Percent Lost: 7.37 Dollars Lost: 30,755,982 Cost per Acre: 121.18						

Table 16 Mississippi (Hills) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	500000	500000	6.0	5.50	2.50	17708
Boll/Bud worms	500000	450000	2.7	8.00	1.35	9563
Fleahopper	50000	0	0.0	0.00	0.00	0
Lygus bugs	500000	500000	0.5	4.00	0.10	708
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	300000	30000	0.0	9.00	0.01	43
Thrips	500000	500000	1.5	6.00	0.40	2833
Beet armyworm	500000	20000	0.0	10.00	0.00	28
Fall armyworm	500000	15000	0.0	10.00	0.00	21
Eur corn borer	500	0	0.0	0.00	0.00	0
Stink bug	500000	2000	0.0	5.00	0.00	0
Grasshopper	10000	500	0.0	6.00	0.00	0
S M caterpillar	1000	0	0.0	0.00	0.00	0
Aphids	500000	100000	0.4	7.00	0.02	142
Bnded w whitefly	500000	10000	0.0	10.00	0.00	14
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	15000	500	0.0	10.00	0.00	0
Cabbage looper	500000	5000	0.0	10.00	0.00	0

W Flower Thrips	100000	0	0.0	0.00	0.00	0
Acreage harvested: 500000 Yield per acre: 1.42 Bales (T/F): T						
Percent Lost: 4.39 Dollars Lost: 8,945,400 Cost per Acre: 69.21						

Table 17 Mississippi (Summary) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	1350000	1000000	2.8	5.50	1.30	27933
Boll/Bud worms	1300000	1250000	5.1	11.22	3.92	84546
Fleahopper	150000	50000	0.0	4.00	0.00	85
Lygus bugs	1350000	1300000	1.1	5.66	0.79	17068
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	800000	80000	0.1	11.50	0.00	51
Thrips	1350000	1350000	2.1	6.74	0.27	5730
Beet armyworm	1250000	170000	0.1	10.95	0.00	54
Fall armyworm	1350000	115000	0.0	11.74	0.02	362
Eur corn borer	5500	0	0.0	0.00	0.00	0
Stink bug	1350000	7000	0.0	5.00	0.00	9
Grasshopper	160000	5500	0.0	10.35	0.00	0
S M caterpillar	11000	0	0.0	0.00	0.00	0
Aphids	1350000	400000	0.6	8.88	0.05	1164
Bnded w whitefly	1350000	210000	0.1	11.36	0.02	355
Swt pot whitefly	500	0	0.0	0.00	0.00	0
Soybean looper	315000	20500	0.0	11.85	0.00	102
Cabbage looper	1350000	55000	0.0	11.67	0.00	85
W Flower Thrips	950000	0	0.0	0.00	0.00	0
Acreage harvested: 1350000 Yield per acre: 1.60 Bales (T/F): T						
Percent Lost: 6.38 Dollars Lost: 39,613,038 Cost per Acre: 101.94						

Table 18 Missouri Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	200000	150000	1.0	6.00	5.00	22656
Boll/Bud worms	150000	100000	0.3	9.00	1.67	7552
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	300000	90000	0.6	7.00	1.50	6797
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	90000	0.9	10.00	3.00	13594
Thrips	250000	50000	0.2	12.00	0.33	1510
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	10000	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	30000	0.2	8.00	0.50	2266
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	0	0	0.0	0.00	0.00	0

W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 300000 Yield per acre: 1.51 Bales (T/F): T						
Percent Lost: 12.00 Dollars Lost: 15,660,000 Cost per Acre: 25.80						

Table 19 North Carolina Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	382000	380000	3.0	9.50	4.30	21446
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	3820000	50	0.0	7.00	0.00	13
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	382000	382000	1.3	16.00	0.50	2507
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	200000	120000	0.2	11.00	0.54	2678
Eur corn borer	382000	0	0.0	0.00	0.00	0
Stink bug	382000	1500	0.0	7.25	0.00	8
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	300000	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: 380000 Yield per acre: 1.31 Bales (T/F): T						
Percent Lost: 5.34 Dollars Lost: 7,675,668 Cost per Acre: 51.16						

Table 20 New Mexico Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevil	1000	0	0.0	0.00	0.00	0
Boll/Bud worms	42000	12500	0.3	10.25	1.59	1030
Fleahopper	18400	5500	0.1	7.65	0.60	388
Lygus bugs	24800	4600	0.1	8.40	0.42	271
Leaf perforator	100	0	0.0	0.00	0.00	0
Pink bollworm	20000	500	0.0	9.80	0.03	18
Spider mites	10800	1300	0.0	9.40	0.07	48
Thrips	53600	21000	0.4	7.50	2.86	1854
Beet armyworm	7300	3300	0.1	8.50	0.33	214
Fall armyworm	7300	3300	0.1	8.50	0.60	388
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	0	0	0.0	0.00	0.00	0
Grasshopper	21000	500	0.0	10.00	0.03	18
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	32800	10000	0.3	8.50	0.95	618
Bnded w whitefly	10000	0	0.0	0.00	0.00	0
Swt pot whitefly	2000	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: 55000 Yield per acre:1.18 Bales (T/F): T						
Percent Lost: 7.49 Dollars Lost: 1,395,816 Cost per Acre: 12.58						

Table 21 Oklahoma Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	300000	200000	1.8	6.00	3.03	7083
Boll/Bud worms	330000	180000	1.1	10.50	3.27	7650
Fleahopper	330000	125000	0.4	5.00	0.19	443
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	75000	5000	0.0	10.50	0.00	9
Thrips	300000	100000	0.3	5.50	0.08	177
Beet armyworm	1000	250	0.0	11.00	0.00	0
Fall armyworm	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	15000	2000	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	250000	125000	0.8	6.00	0.76	1771
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	3000	500	0.0	12.00	0.00	1
W Flower Thrips	0	0	0.0	0.00	0.00	0
Acreage harvested: 330000 Yield per acre: 0.71 Bales (T/F): T						
Percent Lost: 7.33 Dollars Lost: 4,935,551 Cost per Acre: 30.69						

Table 22 South Carolina Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	193000	180000	3.7	7.00	2.80	6750
Fleahopper	9000	1000	0.0	4.00	0.01	13
Lygus bugs	10000	1000	0.0	4.00	0.01	25
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	11000	2500	0.0	11.00	0.04	94
Thrips	193000	40000	0.3	3.00	0.21	500
Beet armyworm	25000	2000	0.0	12.00	0.01	25
Fall armyworm	135000	55000	0.7	13.00	1.71	41.25
Eur corn borer	10000	0	0.00	0.00	0.00	0
Stink bug	100000	25000	0.4	5.00	0.39	938
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	190000	30000	0.3	4.50	0.16	375
Bnded w whitefly	10000	1000	0.0	7.00	0.00	0
Swt pot whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	45000	1000	0.0	12.00	0.00	0
Cabbage looper	5000	0	0.0	0.00	0.00	0

W Flower Thrips	80000	0	0.0	0.00	0.00	0
Acreage harvested: 193000 Yield per acre: 1.25 Bales (T/F): T						
Percent Lost: 5.32 Dollars Lost: 3,699,000 Cost per Acre: 40.36						

Table 23 Tennessee Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Threshold	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	250000	250000	3.3	6.50	17.50	118490
Boll/Bud worms	80000	20000	0.1	6.50	1.00	6771
Fleahopper	0	0	0.0	0.00	0.00	0
Lygus bugs	230000	230000	1.4	3.50	4.60	31146
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	20000	5000	0.0	5.50	0.10	677
Thrips	250000	250000	1.0	3.50	5.00	33854
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	2000	1500	0.0	0.00	0.01	41
Eur corn borer	1000	1000	0.0	0.00	0.00	20
Stink bug	50000	10000	0.0	7.50	0.15	1016
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	10000	3000	0.0	6.50	0.01	81
Bnded w whitefly	15000	500	0.0	5.00	0.00	20
Swt pot whitefly	100	100	0.0	5.00	0.00	14
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: 1.35 Bales (T/F): T						
Percent Lost: 28.38 Dollars Lost: 55,333,200 Cost per Acre: 30.52						

Table 24 Texas (District 1) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 applicat	% Yield Reduction	Bales Lost
Boll Weevils	50000	25000	0.6	6.00	0.94	453
Boll/Bud worms	46000	15000	0.2	8.30	0.62	302
Fleahopper	73000	57000	0.7	4.30	0.71	344
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	63000	33000	0.4	4.00	0.21	100
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	500	100	0.0	5.00	0.00	1
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	53000	8000	0.1	7.75	0.28	133
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 Thrip	0	0	0.0	0.00	0.00	0
Acreage harvested: 80000 Yield per acre: 0.60 Bales (T/F): T						
Percent Lost: 2.76 Dollars Lost: 383,757 Cost per Acre: 10.80						

Table 25 Texas (District 2) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	70000	30000	0.0	6.45	0.00	33
Boll/Bud worms	1400000	350000	0.4	9.85	0.47	6165
Fleahopper	600000	275000	0.2	4.35	0.10	1275
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	450000	12000	0.0	14.25	0.00	19
Thrips	850000	475000	0.3	4.75	0.22	2906
Beet armyworm	25000	6000	0.0	11.75	0.00	5
Fall armyworm	7000	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	3000	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	1300000	260000	0.3	8.50	0.60	7834
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: 1400000 Yield per acre: 0.93 Bales (T/F): T

Percent Lost: 1.41 Dollars Lost: 5,252,371 Cost per Acre: 9.16

Table 26 Texas (District 3) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	475000	220000	0.6	5.90	3.77	14438
Boll/Bud worms	525000	175000	0.4	10.00	1.33	5104
Fleahopper	525000	200000	0.4	4.00	0.76	2917
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	75000	45000	0.1	12.50	0.17	656
Thrips	80000	20000	0.0	3.00	0.00	0
Beet armyworm	110000	0	0.0	0.00	0.00	0
Fall armyworm	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	70000	35000	0.1	6.00	0.13	510
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	525000	150000	0.3	6.80	0.86	3281
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	60000	10000	0.0	0.00	0.02	73
W Flower Thrips	0	0	0.0	0.00	0.00	0

Acres harvested: 525000 Yield per acre: 0.73 Bales(T/F): T

Percent Lost: 7.05 Dollars Lost: 7,770,000 Cost per Acre: 13.23

Table 27 Texas (District 4) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	36000	22000	0.7	4.75	0.59	339
Boll/Bud worms	70000	23000	0.5	8.00	0.93	532
Fleahopper	70000	68000	1.4	3.00	2.30	1310
Lygus bugs	18000	3000	0.1	6.00	0.02	12
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	6000	0.1	8.50	0.01	5
Thrips	74000	64000	1.3	4.00	0.43	247
Beet armyworm	1500	500	0.0	9.00	0.00	0
Fall armyworm	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	20000	7000	0.1	8.00	0.01	5
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 Thrip	0	0	0.0	0.00	0.00	0

Acres harvested: 74000 Yield per acre: 0.77 Bales (T/F): T

Percent Lost: 4.29 Dollars Lost: 705,527 Cost per Acre: 18.46

Table 28 Texas (District 5) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	10000	1000	4.0	7.00	10.00	938
Boll/Bud worms	10000	4000	1.6	11.00	4.00	375
Fleahopper	10000	10000	1.0	5.00	5.00	469
Lygus bugs	10000	500	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	10000	0	0.0	0.00	0.00	0
Thrips	10000	1000	0.1	5.00	0.20	19
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	10000	0	0.0	0.00	0.00	0
Bnded w whitefly	5000	0	0.0	0.00	0.00	0
Swt pot whitefly	5000	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	0.00	0.00	0.00	0

Acreage harvested: 10000 Yield per acre: 0.94 Bales(T/F): T

Percent Lost: 19.20 Dollars Lost: 518,400 Cost per Acre: 51.10

Table 29 Texas (District 6) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevil	90000	20000	0.3	6.00	0.39	1075
Boll/Bud worms	0	0	0.0	0.00	0.00	0
Fleahopper	257000	55000	0.2	4.77	0.36	985
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	35000	10000	0.1	4.50	0.16	448
Spider mites	3000	3000	0.0	15.00	0.01	27
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworm	15000	2000	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	3000	500	0.0	5.50	0.00	0
Grasshopper	1000	40	0.0	6.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	320000	100000	0.5	11.00	1.62	4479
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: 309000 Yield per acre: 0.90 Bales (T/F): T

Percent Lost: 2.54 Dollars Lost: 2,022,720 Cost per Acre: 8.33

Table 30 Texas (District 7) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	240000	190000	2.9	6.00	9.50	9896
Boll/Bud worms	24000	150000	1.5	9.00	9.50	6250
Fleahopper	240000	80000	0.4	2.50	0.80	833
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	20000	2000	0.0	10.00	0.01	10
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	25000	1000	0.0	7.50	0.01	5
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	200000	80000	0.8	8.00	1.60	1667
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	25000	2000	0.0	9.00	0.01	10
W Flower Thrips	0	0	0.0	0.00	0.00	0

Acreage harvested: 200000 Yield per acre: 0.52 Bales (T/F): T

Percent Lost: 17.93 Dollars Lost: 5,377,500 Cost per Acre: 38.27

Table 31 Texas (District 8) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	50000	50000	2.4	6.25	4.81	1823
Boll/Bud worms	20000	15000	0.1	12.00	0.87	328
Fleahopper	50000	40000	1.5	6.25	0.77	292
Lygus bugs	35000	18000	0.3	8.50	2.08	788
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	30000	20000	0.6	10.00	0.77	292
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	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: 52000 Yield per acre: 0.73 Bales (T/F): T

Percent Lost: 9.29 Dollars Lost: 1,014,300 Cost per Acre: 35.08

Table 32 Texas (District 10) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	132600	52500	0.2	4.40	0.05	116
Boll/Bud worms	118000	117000	1.6	9.50	0.30	760
Fleahopper	100500	68000	0.1	2.00	0.01	22
Lygus bugs	1200	1200	0.0	2.00	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	23000	19000	0.0	13.50	0.00	6
Thrips	120000	20000	0.0	1.25	0.00	0
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	40000	10000	0.0	7.50	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: 160000 Yield per acre: 1.58 Bales (T/F): T

Percent Lost: 0.36 Dollars Lost: 260,194 Cost per Acre: 16.78

Table 33 Texas (District 11) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	63300	56900	2.2	4.56	4.27	3851
Boll/Bud worms	63300	47000	1.5	7.58	2.97	2679
Fleahopper	63300	54400	1.3	3.08	0.86	775
Lygus bugs	57000	12700	0.2	5.83	0.03	27
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	63300	6800	0.1	2.51	0.01	7
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	56900	5300	0.1	4.05	0.00	2
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	0	0	0.0	0.00	0.00	0
Aphids	63300	2300	0.0	2.56	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: 63300 Yield per acre: 1.43 Bales (T/F): T

Percent Lost: 8.14 Dollars Lost: 2,114,319 Cost per Acre: 27.35

Table 34 Texas (District 12) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	300000	280000	4.3	7.00	5.38	14758
Boll/Bud worms	300000	200000	2.3	9.00	3.85	10542
Fleahopper	300000	150000	0.6	3.50	0.58	1581
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	150000	25000	0.1	9.00	0.10	264
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	50000	10000	0.0	10.00	0.04	105
Thrips	0	0	0.0	0.00	0.00	0
Beet armyworm	10000	5000	0.0	12.00	0.02	53
Fall armyworm	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	300000	50000	0.2	10.00	0.19	527
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	300000	50000	0.5	15.00	0.38	1054
Soybean looper	150000	40000	0.2	12.00	0.15	422
Cabbage looper	50000	5000	0.0	9.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0

Acres harvested: 260000 Yield per acre: 1.05 Bales (T/F): T
 Percent Lost: 10.69 Dollars Lost: 8,440,080 Cost per Acre: 67.13

Table 35 Texas (District 13) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	21600	21600	13.5	6.50	30.00	6885
Boll/Bud worms	21600	21600	4.5	8.50	12.00	2754
Fleahopper	8000	5000	0.2	6.00	0.23	53
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	8000	8000	0.4	15.00	0.00	0
Thrips	21600	0	0.0	0.00	0.00	0
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	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	10000	5000	0.3	8.00	0.46	106
Bnded w whitefly	0	0	0.0	0.00	0.00	0
Swt pot whitefly	5000	0	0.0	0.00	0.00	0
Soybean looper	0	0	0.0	0.00	0.00	0
Cabbage looper	11000	0	0.0	0.00	0.00	0
W Flower Thrips	0	0	0.0	0.00	0.00	0

Acres harvested: 21600 Yield per acre: 1.06 Bales (T/F): T

Percent Lost: 42.69 Dollars Lost: 2,821,932 Cost per Acre: 135.72

Table 36 Texas (District 14) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	282356	237179	3.5	5.81	4.37	12539
Boll/Bud worms	282356	127060	1.3	8.13	2.70	7751
Fleahopper	282356	268238	2.1	4.43	2.18	6272
Lygus bugs	150000	5000	0.0	5.10	0.00	0
Leaf perforator	45000	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	35000	3000	0.0	5.75	0.00	0
Thrips	282356	1000	0.0	4.15	0.00	0
Beet armyworm	10500	0	0.0	0.00	0.00	0
Fall armyworm	500	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	65000	0	0.0	0.00	0.00	0
Grasshopper	0	0	0.0	0.00	0.00	0
S M caterpillar	100	0	0.0	0.00	0.00	0
Aphids	282356	5000	0.0	4.90	0.02	51
Bnded w whitefly	50000	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	105000	0	0.0	0.00	0.00	0
W Flower Thrip	100000	0	0.0	0.00	0.00	0
Acreage harvested: 282356 Yield per acre: 1.02 Bales (T/F): T						
Percent Lost: 9.27 Dollars Lost: 7,664,445 Cost per Acre: 40.95						

Table 37 Texas (Summary) Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	1820856	1215179	1.1	6.21	2.14	67144
Boll/Bud worms	2880256	1244660	0.7	9.11	1.39	43541
Fleahopper	2579156	1330638	0.5	4.12	0.55	17129
Lygus bugs	271200	40400	0.0	6.78	0.03	826
Leaf perforator	195000	25000	0.0	9.00	0.01	264
Pink bollworm	35000	10000	0.0	4.50	0.01	448
Spider mites	684000	108000	0.0	12.52	0.03	829
Thrips	1594256	640800	0.2	4.74	0.11	3570
Beet armyworm	172000	13500	0.0	11.74	0.00	67
Fall armyworm	7500	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	124900	5800	0.0	4.18	0.00	2
Grasshopper	99500	36140	0.0	6.07	0.02	516
S M caterpillar	100	0	0.0	0.00	0.00	0
Aphids	3123656	677300	0.3	8.52	0.58	18084
Bnded w whitefly	55000	0	0.0	0.00	0.00	0
Swt pot whitefly	310000	50000	0.0	15.00	0.03	1054
Soybean looper	150000	40000	0.0	12.00	0.01	422
Cabbage looper	251000	17000	0.0	9.00	0.00	83
W Flower Thrips	100000	0	0.0	0.00	0.00	0
Acreage harvested: 3437256 Yield per acre: 0.91 Bales (T/F): T						
Percent Lost: 4.90 Dollars Lost: 44,345,544 Cost per Acre: 20.63						

Table 38 Virginia Cotton Insect Losses for 1992

Pest	Acres Infested	Above Treat Thresholds	# Insect Applicat	Cost of 1 Applicat	% Yield Reduction	Bales Lost
Boll Weevils	0	0	0.0	0.00	0.00	0
Boll/Bud worms	22000	4400	0.2	12.00	0.20	66
Fleahopper	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	5	5	0.0	10.00	0.00	0
Thrips	22000	22000	2.0	10.00	2.0	665
Beet armyworm	0	0	0.0	0.00	0.00	0
Fall armyworm	0	0	0.0	0.00	0.00	0
Eur corn borer	0	0	0.0	0.00	0.00	0
Stink bug	22000	165000	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	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: 22000 Yield per acre: 1.51 Bales (T/F): T						
Percent Lost: 2.20 Dollars Lost: 210,540 Cost per Acre: 22.40						