

Table 1. Estimated damage to cotton in the USA by arthropod pests with consequent cost of control and yield loss..

(Prepared February 16, 1987).

Table 1a. All States

Pest	Acres infested	Acres Treated	No. insecticide applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	4093256	2639313	1.5	3.06	1.93	189339
Boll/budworms	7218574	4575047	1.8	6.16	2.20	216738
Fleahoppers	5077138	2023242	0.2	2.60	0.86	84811
Lygus bugs	3753867	1721531	0.2	5.26	0.80	79008
Leaf perforator	736150	200700	0.0	7.80	0.01	1909
Pink bollworm	461975	341700	0.0	8.31	0.21	20836
Spider mites	2934741	1125309	0.2	8.42	0.37	37036
Thrips	5233604	2914768	0.4	2.69	0.27	26644
Armyworms	1472287	443536	0.0	9.87	0.02	2483
Minor pests	3350076	2606529	0.3	3.25	1.03	101466
New pests	467815	226700	0.0	4.25	0.01	1122

Acreage harvested: 9270502 Yield per acre: 1.06 Bales

Percent lost: 7.76 Dollars lost: 219,282,688 Cost per acre: 24.70

Table 1b. North Alabama

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	208200	200000	6.7	1.40	8.69	18525
Boll/budworms	208200	208200	4.0	4.60	4.22	8999
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	208200	85000	0.4	0.80	0.32	699
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	175000	78000	0.3	5.10	0.30	642
Thrips	208200	208200	2.0	2.85	1.00	2142
Armyworms	115000	100001	0.4	6.50	0.09	205
Minor pests	208200	180000	1.7	0.90	0.17	370
New pests	70000	0	0.0	** .**	0.00	0

Acreage harvested: 2070000 Yield per acre: 1.03 Bales

Percent lost: 14.82 Dollars lost: 9,096,635 Cost per acre: 40.66

Table 1c. South Alabama

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	138800	138800	8.0	1.40	14.00	20241
Boll/budworms	138800	138800	7.0	4.60	5.00	7229
Fleahoppers	0	0	0.0	0.00	0.00	0

Lygus bugs	138800	1388	0.0	0.80	0.00	1
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	138800	27760	0.2	5.10	0.04	57
Thrips	138800	138800	2.0	2.85	1.00	1445
Armyworms	30000	6500	0.0	6.50	0.02	33
Minor pests	138800	130000	1.8	0.90	0.28	406
New pests	138800	130000	0.9	3.50	0.04	67

Acreage harvested: 138800 Yield per acre: 1.04 Bales

Percent lost: 20.39 Dollars lost: 8,491,322 Cost per acre:55.39

Table 1d. North Arkansas

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	85400	55400	0.4	2.00	0.32	900
Boll/budworms	256900	126000	0.9	3.50	0.98	2730
Fleahoppers	45000	5000	0.0	1.60	0.00	5
Lygus bugs	256900	110000	0.4	1.60	0.42	1191
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	130000	25000	0.1	4.00	0.04	135
Thrips	256900	120000	0.7	1.50	0.46	1300
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	256900	100000	0.0	1.60	0.00	16
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 256900 Yield per acre: 1.08 Bales

Percent lost: 2.25 Dollars lost: 1,808,352 Cost per acre:6.70

Table 1e. South Arkansas

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	180000	160000	3.0	4.35	1.50	3500
Boll/budworms	160000	160000	6.0	6.35	3.00	7000
Fleahoppers	180000	0	0.0	** .**	0.00	0
Lygus bugs	180000	60000	0.3	2.50	0.03	87
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	80000	5000	0.0	4.10	0.00	7
Thrips	180000	16000	0.2	3.15	0.02	46
Armyworms	0	0	0.0	0.00	0.00	0

Minor pests	180000	100000	0.9	0.00	0.06	145
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 160000 Yield per acre: 1.46 Bales

Percent Lost: 4.62 Dollars Lost: 3,106,740 Cost per acre: 52.97

Table 1f. Arizona

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	80000	40000	1.1	9.00	0.05	400
Boll/budworms	200000	80000	0.5	10.00	0.27	2000
Fleahoppers	50000	10000	0.0	9.00	0.00	2
Lygus bugs	240000	180000	1.2	9.00	0.74	5400
Leaf perforator	220000	120000	0.8	9.00	0.12	900
Pink bollworm	270000	260000	1.7	9.00	2.60	18850
Spider mites	180000	100000	0.6	10.00	0.13	1000
Thrips	275000	30000	0.1	7.00	0.02	150
Amyworms	100000	80000	0.5	9.00	0.08	600
Minor pests	100000	80000	0.8	9.00	0.02	200
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 290000 Yield per acre: 2.50 Bales

Percent lost: 4.06 Dollars lost: 8,496,720 Cost per acre: 70.55

Table 1g. California

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/budworms	0	0	0.0	0.00	0.00	0
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	900000	395880	0.4	12.50	2.74	59464
Leaf perforator	10150	0	0.0	** .**	0.00	0
Pink bollworm	20300	18000	0.1	10.00	0.03	772
Spider mites	900000	270000	0.4	13.75	1.06	23175
Thrips	0	0	0.0	0.00	0.00	0
Amyworms	300000	150000	0.1	14.50	0.00	32
Minor pests	120000	37000	0.0	12.50	0.00	0
New pests	1800	0	0.0	** .**	0.00	0

Average harvested: 1010000 Yield per acre: 2.15 Bales

Percent lost: 3.85 Dollars Lost:24,031,918 Cost per acre: 15.48

Table 1h. Florida

Pest	Acres	Acres	No. insecticide	Cost per	% yield	Bales
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	infested	Treated	Applications	Application	reduction	Lost
Boll weevils	21500	20500	3.8	5.00	5.72	1716
Boll/budworms	21500	21500	9.0	8.75	5.50	1650
Fleahoppers	0	0	0.0	0.00	0.00	0
Lygus bugs	18000	2200	0.1	8.00	0.10	30
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	200	150	0.0	7.50	0.00	0
Thrips	18000	11000	0.5	8.50	1.02	307
Armyworms	10000	8000	1.1	8.50	1.67	502
Minor pests	0	0	0.00	0.00	0.00	0
New pests	75	0	0.00	** **	0.00	0

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Percent Lost: 14.02 Dollars Lost: 1,211,829 Cost per acre: 112.58

Table 1i. Georgia

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	200000	190000	7.0	4.00	9.30	17301
Boll/budworms	200000	200000	7.3	5.75	4.10	7637
Fleahoppers	50000	10000	0.0	3.55	0.01	23
Lygus bugs	50000	20000	0.1	3.29	0.03	72
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	25000	0.1	7.08	0.06	127
Thrips	150000	150000	0.7	4.21	0.07	146
Armyworms	10000	8000	0.0	9.55	0.12	235
Minor pests	120000	30000	0.3	3.25	0.01	29
New pests	50000	30000	0.3	10.19	0.31	587

Acres harvested: 190000 Yield per acre: 0.98 Bales

Percent Lost: 14.06 Dollars lost: 7,534,476 Cost per acre: 79.80

Table 1j. Louisiana

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	570000	564000	6.9	2.90	5.73	38981
Boll/budworms	570000	530000	5.5	6.10	5.30	3600
Fleahoppers	473000	162137	0.2	2.37	0.11	772
Lygus bugs	436105	162337	0.2	2.37	0.11	773
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	248404	106268	0.1	6.38	0.06	430

Thrips	357321	183000	0.3	2.45	0.17	1221
Armyworms	23175	16600	0.0	10.00	0.00	19
Minor pests	412308	224779	0.3	3.16	0.15	1071
New pests	103640	23200	0.0	5.33	0.01	82

Acreage harvested: 570000 Yield per acre: 1.19 Bales

Percent Lost: 11.68 Dollars lost: 22,854,142 Cost per acre: 59.19

Table 1k. Missouri

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	10000	0	0.0	** .**	0.00	0
Boll/budworms	60000	20000	0.3	7.60	0.62	1197
Fleahoppers	20000	0	0.0	** .**	0.00	0
Lygus bugs	80000	21000	0.1	4.00	0.26	503
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	4.00	0.02	47
Thrips	30000	21000	0.2	4.00	0.26	503
Armyworms	10000	0	0.0	** .**	0.00	0
Minor pests	15000	2000	0.0	7.00	0.01	23
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 160000 Yield per acre: 1.20 Bales

Percent lost: 1.18 Dollars lost: 655,500 Cost per acre: 4.70

Table 1L. Mississippi Delta

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	370245	325845	2.2	1.56	1.78	15940
Boll/budworms	759645	724391	4.9	5.25	5.33	47776
Fleahoppers	624500	161000	0.2	1.24	0.07	674
Lygus bugs	680645	488391	1.3	2.78	0.74	6695
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	378200	274700	0.9	7.11	0.69	6206
Thrips	742095	707841	1.7	1.37	0.76	6807
Armyworms	461000	34500	0.0	4.85	0.03	337
Minor pests	616600	550100	1.1	3.00	0.97	8690
New pests	83500	41500	0.1	1.29	0.03	317

Acreage harvested: 766130 Yield per acre: 1.17 Bales

Percent lost: 10.43 Dollars lost: 26,912,634 Cost per acre:46.01

Table 1m. Mississippi Hill

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	219547	218047	6.1	0.00	0.00	10856
Boll/budworms	213407	192724	3.7	9.80	3.25	7604
Fleahoppers	174058	22780	0.1	8.25	1.19	81
Lygus bugs	187467	96635	0.8	7.30	1.19	1314
Leaf perforator	0	0	0.0	10.00	0.01	0
Pink bollworm	400	600	0.0	9.33	0.64	21
Spider mites	124499	49800	0.3	10.00	0.00	523
Thrips	207708	178177	1.4	8.20	0.98	21101
Armyworms	187512	3910	0.0	12.50	0.04	90
Minor pests	188498	133725	0.9	2.85	99.20	1023
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 222092 Yield per acre: 1.00 Bales

Percent lost: 10.58 Dollars lost: 6,801,712 Cost per acre:35.49

Table 1n. New Mexico

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/budworms	67500	27700	0.8	9.80	3.25	2775
Fleahoppers	37500	18750	0.6	8.25	1.19	1015
Lygus bugs	27750	16700	0.5	7.30	1.19	1017
Leaf perforator	1000	700	0.0	10.00	0.01	9
Pink bollworm	21275	8100	0.3	9.33	0.64	548
Spider mites	2500	100	0.0	10.00	0.00	2
Thrips	75000	13500	0.4	8.20	0.98	840
Armyworms	1500	500	0.0	12.50	0.04	40
Minor pests	400000	250000	3.9	2.85	99.20	84635
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 63000 Yield per acre: 1.35 Bales

Percent lost: **.**. Dollars lost: 26,175,357 Cost per acre:36.04

Table 1o. North Carolina

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/budworms	85000	85000	3.5	7.00	2.52	2125
Fleahoppers	0	0	0.0	0.00	0.00	0

Lygus bugs	85000	0	0.0	** .**	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	4250	0	0.0	** .**	0.00	0
Thrips	85000	21250	0.2	2.50	0.05	42
Armyworms	3400	0	0.0	** .**	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 84000 Yield per acre: 1.00 Bales

Percent lost: 2.58 Dollars lost: 624,240 Cost per acre:25.42

Table 1p. Oklahoma

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	60000	55000	0.6	3.75	0.77	1604
Boll/budworms	250000	150000	1.8	8.75	1.80	3750
Fleahoppers	250000	100000	0.4	3.75	0.60	1250
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	10000	0	0.0	** .**	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	75000	35000	0.2	9.00	0.01	29
Thrips	0	0	0.0	0.00	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 250000 Yield per acre: 0.83 Bales

Percent lost: 3.18 Dollars lost: 1,910,400 Cost per acre:22.24

Table 1q. South Carolina

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	35000	0	0.0	** .**	0.00	0
Boll/budworms	113000	90000	3.1	6.25	3.18	2392
Fleahoppers	50000	575	0.0	** .**	0.00	1
Lygus bugs	55000	2000	0.0	4.00	0.01	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	10000	500	0.0	8.00	0.00	0
Thrips	113000	40000	0.3	2.00	0.35	265
Armyworms	70000	25000	0.6	11.00	0.44	332

Minor pests	50000	15000	0.2	4.50	0.00	0
New pests	20000	2000	0.0	5.50	0.08	66

Acreage harvested: 113000 Yield per acre: 0.66 Bales

Percent lost: 4.09 Dollars lost: 884,913 Cost per acre:29.52

Table 1r. Tennessee

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	38234	20621	0.3	5.00	0.52	1890
Boll/budworms	229042	77732	0.4	7.00	1.97	7125
Fleahoppers	1000	0	0.0	**.**	0.00	0
Lygus bugs	200000	75000	0.2	3.00	0.47	1718
Leaf perforator	0	0	0.0	0.00	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	34488	13531	0.0	4.00	0.00	7
Thrips	300000	100000	0.3	2.50	0.31	1145
Armyworms	200	25	0.0	4.00	0.00	0
Minor pests	38770	3925	0.0	3.00	0.02	89
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 315000 Yield per acre: 1.15 Bales

Percent lost: 3.31 Dollars lost: 3,449,656 Cost per acre:6.80

Table 1s. Texas - Area 1

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	14000	3500	0.0	4.00	0.07	16
Boll/budworms	70000	25000	0.6	10.00	1.71	390
Fleahoppers	70000	3000	0.0	4.00	0.03	7
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	700000	21000	0.2	4.00	0.21	49
Armyworms	0	0	0.0	0.00	0.00	0.
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 73000 Yield per acre: 0.31 Bales

Percent lost: 2.03 Dollars lost: 133,425 Cost per acre:8.35

Table 1t. Texas - Area 2

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/budworms	2000000	650000	0.6	9.00	1.54	15572
Fleahoppers	1500000	400000	0.1	5.00	1.52	15333
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	250000	30000	0.0	8.00	0.00	0
Thrips	1000000	800000	0.3	4.50	0.76	7666
Armyworms	150000	10000	0.0	9.00	0.00	47
Minor pests	125000	700000	0.3	3.75	0.33	3354
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 2100000 Yield per acre: 0.48 Bales

Percent lost: 4.17 Dollars lost: 12,088,800 Cost per acre:9.64

Table 1u. Texas - Area 3

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	450000	200000	0.8	5.30	0.00	0
Boll/budworms	150000	60000	0.2	9.00	1.25	1031
Fleahoppers	200000	100000	0.1	4.00	0.90	750
Lygus bugs	0	0	0.0	0.00	0.02	23
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	7000	0.0	4.00	0.34	281
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	40000	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 750000 Yield per acre: 0.57 Bales

Percent lost: 3.89 Dollars lost: 4,821,877 Cost per acre:7.21

Table 1v. Texas - Area 4

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	10000	500	0.0	4.50	0.00	312
Boll/budworms	40000	20000	0.4	6.50	1.25	937
Fleahoppers	80000	40000	0.4	4.00	0.90	312
Lygus bugs	10000	5000	0.0	5.00	0.02	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	5000	500	0.0	5.50	0.00	0
Thrips	80000	60000	1.3	3.00	0.34	62
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 880000 Yield per acre: 0.94 Bales

Percent lost: 2.52 Dollars lost: 600,750 Cost per acre:9.20

Table 1w. Texas - Area 5 & 9

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	150000	5000	1.1	5.00	3.84	312
Boll/budworms	15000	15000	3.4	7.00	11.53	937
Fleahoppers	15000	10000	0.7	5.00	3.84	312
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	15000	2000	0.1	5.00	0.76	62
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 13000 Yield per acre: 0.62 Bales

Percent lost: 20.00 Dollars lost: 468,000 Cost per acre:34.61

Table 1x. Texas - Area 6

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	500000	3000	0.0	1.50	0.00	23
Boll/budworms	600000	380000	1.2	4.50	1.90	8906
Fleahoppers	568000	400000	0.6	0.60	8.66	40625
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	200000	0	0.0	** **	0.00	0
Pink bollworm	150000	55000	0.1	3.00	0.13	644
Spider mites	20000	5000	0.0	6.00	0.00	0
Thrips	600000	10000	0.0	5.40	0.00	7
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 600000 Yield per acre: 0.78 Bales

Percent lost: 10.71 Dollars lost: 14,459,625 Cost per acre: 6.79

Table 1y. Texas - Area 7

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	220000	10000	0.1	6.00	0.05	62
Boll/budworms	220000	100000	1.0	7.50	5.00	6250
Fleahoppers	220000	150000	1.5	1.25	11.25	14062
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	200000	0	0.0	**.**	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	10000	2000	0.0	15.00	0.05	62
Thrips	0	0	0.0	0.00	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	220000	35000	0.1	1.25	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 200000 Yield per acre: 0.62 Bales

Percent lost: 16.35 Dollars lost: 5,886,000 Cost per acre: 10.79

Table 1z. Texas - Area 8

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	23080	2000	0.1	4.00	0.06	10
Boll/budworms	23080	7000	0.4	8.00	0.45	76
Fleahoppers	23080	15000	1.3	3.50	0.64	109
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	10000	5000	0.2	10.00	0.10	18
Thrips	23080	20000	0.8	3.50	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 23080 Yield per acre: 0.73 Bales

Percent lost: 1.27 Dollars lost: 61,950 Cost per acre: 13.76

Table 1aa. Texas - Area 10

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	4250	2100	0.0	4.25	0.01	15

Boll/budworms	91000	78500	2.3	8.75	1.57	2269
Fleahoppers	96000	91000	0.9	1.65	0.09	131
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	67000	31000	0.3	1.75	0.03	44
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 99500 Yield per acre: 1.45 Bales

Percent lost: 1.71 Dollars lost: 708,921 Cost per acre: 23.03

Table 1bb. Texas - Area 11

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	50000	40000	3.2	4.00	8.00	5625
Boll/budworms	50000	30000	1.2	4.50	3.00	2109
Fleahoppers	20000	20000	0.4	1.10	4.00	2812
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	0	0	0.0	0.00	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	10000	5000	2.00	2.00	0.50	351
New pests	0	0	0.00	0.00	0.00	0

Acres harvested: 50000 Yield per acre: 1.41 Bales

Percent lost: 15.50 Dollars lost: 3,138,750 Cost per acre: 18.84

Table 1cc. Texas - Area 12

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	250000	200000	6.0	6.00	4.00	12500
Boll/budworms	250000	250000	8.0	6.00	1.00	3125
Fleahoppers	150000	150000	0.1	2.00	0.60	1875
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	80000	0	0.0	6.00	0.32	1000
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	50000	18000	1.5	5.00	0.20	625

Thrips	5000	0	0.0	5.00	0.02	62
Armyworms	500	0	0.0	6.00	0.00	6
Minor pests	150000	5000	0.0	6.00	0.30	937
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 250000 Yield per acre: 1.25 Bales

Percent lost: 6.44 Dollars lost: 5,797,800 Cost per acre: 34.25

Table 1dd. Texas - Area 13

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	35000	35000	6.0	4.75	10.00	7656
Boll/budworms	35000	35000	8.0	13.25	25.00	19140
Fleahoppers	10000	4000	0.1	4.50	0.22	175
Lygus bugs	0	0	0.0	0.00	0.00	0
Leaf perforator	15000	0	0.0	**.**	0.00	0
Pink bollworm	0	0	0.0	0.00	0.00	0
Spider mites	18000	18000	1.5	5.25	5.14	3937
Thrips	35000	0	0.0	**.**	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	5000	0.0	0.00	0.00	109
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 35000 Yield per acre: 2.19 Bales

Percent lost: 40.51 Dollars lost: 8,933,400 Cost per acre: 143.79

Table 1ee. Texas - Area 14

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	170000	150000	3.5	4.99	6.17	16362
Boll/budworms	140000	91000	1.0	5.97	2.67	7090
Fleahoppers	170000	150000	1.7	3.00	1.76	4675
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	50000	2000	0.0	**.**	0.00	0
Thrips	170000	20000	0.1	2.50	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acreage harvested: 170000 Yield per acre: 1.56 Bales

Percent lost: 10.61 Dollars lost: 8,100,840 Cost per acre: 29.59

Table 1f. Texas - All Areas

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	1876330	651100	0.5	5.31	1.89	57480
Boll/budworms	3684080	1741500	00.8	7.80	2.26	68619
Fleahoppers	3122080	1533000	0.4	2.56	2.67	80983
Lygus bugs	10000	5000	0.0	5.00	0.00	23
Leaf perforator	495000	80000	0.0	6.00	0.03	1000
Pink bollworm	150000	55000	0.0	3.00	0.02	644
Spider mites	413000	112500	0.0	5.87	0.15	4643
Thrips	2095080	976000	0.2	4.18	0.27	8176
Armyworms	150500	10500	0.0	8.85	0.00	54
Minor pests	505000	860000	0.1	3.87	0.15	4764
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 4451580 Yield per acre: 0.68 Bales

Percent lost: 7.47 Dollars lost: 65,200,138 Cost per acre: 12.56

Table 1g. Virginia

Pest	Acres infested	Acres Treated	No. insecticide Applications	Cost per Application	% yield reduction	Bales Lost
Boll weevils	0	0	0.0	0.00	0.00	0
Boll/budworms	1500	1500	2.0	13.00	10.00	125
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	400	0	0.0	**.**	0.00	0
Thrips	1500	0	0.0	**.**	0.00	0
Armyworms	0	0	0.0	0.00	0.00	0
Minor pests	0	0	0.0	0.00	0.00	0
New pests	0	0	0.0	0.00	0.00	0

Acres harvested: 1500 Yield per acre: 0.83 Bales

Percent lost: 10.00 Dollars lost: 36,000 Cost per acre: 26.00