

Cotton Insect Losses for 1995

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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 boll/bud worm 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 boll/bud worm 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 | 1055 | 800 | 800 | 782 |
| Arkansas | 1100 | 633 | 1450 | 1430 | 1772 |
| California | 1175 | 940 | 2300 | 2550 | 2717 |
| Florida | 109 | 691 | 157 | 157 | 104.1 |
| Georgia | 1490 | 644 | 2000 | 2000 | 1537 |
| Kansas | 2 | 408 | 1.7 | 1.7 | 1.2 |
| Louisiana | 1065 | 620 | 1375 | 1350 | 1512 |
| Mississippi | 1420 | 624 | 1845 | 1840 | 2132 |
| Missouri | 450 | 555 | 520 | 535 | 615 |
| New Mexico | 51 | 744 | 79 | 81 | 75 |
| N. Carolina | 780 | 554 | 900 | 900 | 829 |
| Oklahoma | 300 | 216 | 135 | 200 | 247 |
| S. Carolina | 335 | 630 | 440 | 450 | 393 |
| Tennessee | 660 | 531 | 730 | 790 | 885 |
| Texas | 5700 | 383 | 4550 | 4800 | 4915 |
| Virginia | 107 | 700 | 156 | 156 | 82 |
| Total U.S. | 15693 | 547 | 17878.7 | 18480.7 | 19324.3 |
| pima Arizona | 48 | 760 | 76 | 74 | 80.4 |
| pima Calif. | 110 | 895 | 205 | 205 | 184.8 |
| pima New M. | 15 | 672 | 21 | 23 | 19.5 |
| pima Texas | 33 | 800 | 55 | 55 | 53 |
| Total U.S. | 206 | 832 | 357 | 357 | 337.7 |
| All Cotton Total U.S. | 15899 | 551 | 18235.7 | 18837.7 | 19662 |

From USDA National Agricultural Statistics Service ---- Released on December 15,1995

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

| State | # of acres in eradication | Cost/Acre | Total Cost |
|------------------|---------------------------|-----------|--------------|
| Alabama, North | 251800 | \$ 27.53 | \$ 6,932,054 |
| Alabama, Central | 110000 | \$ 27.50 | \$ 3,025,000 |
| Alabama, South | 290000 | \$ 10.00 | \$ 2,900,000 |
| Arizona | 400000 | \$ 0.40 | \$ 160,000 |
| Arkansas | na | na | na |
| California | na | na | na |
| Florida | 107000 | \$ 6.00 | \$ 642,000 |
| Georgia | 1500000 | \$ 5.50 | \$ 8,250,000 |

| | | | |
|-------------------------|----------|---------------------|---------------|
| Louisiana | na | na | na |
| Mississippi | 107000 | \$ 16.00 | \$ 1,712,000 |
| Missouri | na | na | na |
| New Mexico | na | na | na |
| North Carolina | 810000 | \$ 2.75 | \$ 2,227,500 |
| Oklahoma | na | na | na |
| South Carolina | 335000 | \$ 3.20 | \$ 1,072,000 |
| Tennessee, 1 | 10000 | \$ 8.18 | \$ 81,800 |
| Tennessee, 2 | 10.000 | \$ 19.50 | \$ 195,000 |
| Texas, S. Rolling Plain | 225000 | \$ 12.00 | \$ 2,700,000 |
| Texas, N. Rolling Plain | 641000 | \$ 5.00 | \$ 3,205,000 |
| Texas, High Plains* | 5200000 | \$ 2.44 | \$ 12,688,000 |
| Texas, Lower Rio Gra. | 360000 | \$ 18.00/\$ 12.00** | \$ 5,400,000 |
| Texas, Far West* | 260724 | \$ 5.62 | \$ 1,465,437 |
| Virginia | 107000 | \$ 3.24 | \$ 346,680 |
| Total U.S. | 10724524 | \$ 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 for 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, S. Rolling Plain | 22,000 | \$ 3.50 | \$ 77,000 |
| Texas, N. 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 Gra. | 10,000 | \$ 5.00 | \$ 50,000 |
| Texas, N. 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 U.S. | 8,965,750 | \$ 9.89 | \$ 88,665,881 |

Table 4 Summary of ALL STATES Cotton Insect Losses for 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 | 8.7 | 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 |
| SM caterpillar | 466045 | 45605 | 0.0 | 9.00 | 0.00 | 372 |
| Aphids | 13838258 | 5254926 | 0.6 | 9.61 | 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 |

Acreage 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect 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 |
| Fleahopper | 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 armyworm | 150000 | 60000 | 0.3 | 11.00 | 4.00 | 12997 |
| Fall armyworm | 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 |
| SM 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 looper | 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 |

Acreage 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales Lost |
|------------------|----------------|---------------|-------------------|--------------------|-------------------|------------|
| 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 |
| Fleahopper | 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 armyworm | 90000 | 60000 | 1.9 | 15.00 | 10.00 | 21115 |
| Fall armyworm | 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 |
| SM 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 |

Acres 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 for 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 | 230000 | 230000 | 5.4 | 2.50 | 0.00 | 0 |
| Boll/Bud Worms | 251800 | 251800 | 6.7 | 8.96 | 26.07 | 79392 |
| Fleahopper | 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 armyworm | 150000 | 150000 | 1.2 | 3.61 | 3.00 | 8914 |
| Fall armyworm | 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 |
| SM 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 |

Acres harvested: 245000 Yield per Acre: 0.81 Bales

Percent Lost: 31.53 Dollars Lost: \$ 28,968,480 Cost per Acre: \$ 90.90

Table 8 Summary of Alabama Cotton Insect Losses for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 390000 | 270000 | 0.9 | 8.01 | 4.85 | 43026 |
| Fall armyworm | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 50000 | 2500 | 0.0 | 14.70 | 0.00 | 18 |
| Fall armyworm | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 100000 | 50000 | 0.1 | 14.70 | 0.00 | 0 |
| Fall armyworm | 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 |
| SM 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 |

Acreage 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Lygus bug | 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 armyworm | 150000 | 25200 | 0.1 | 14.70 | 0.00 | 18 |
| Fall armyworm | 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 |
| SM caterpillar | 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 |

Acreage harvested: 1000000 Yield per Acre: 1.44 Bales

Percent Lost: 7.52 Dollars Lost: \$ 31,141,823 Cost per Acre: \$ 80.56

Table 12 Summary of Arizona Cotton Insect Losses for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales Lost |
|------------------|----------------|---------------|-------------------|--------------------|-------------------|------------|
| Cutworms | 1000 | 0 | 0.0 | 0.00 | 0.00 | |
| Boll Weevils | 0 | 0 | 0.0 | 0.00 | 0.00 | |
| Boll/Bud Worms | 40000 | 10000 | 0.0 | 15.00 | 0.01 | |
| Fleahopper | 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 armyworm | 300000 | 150000 | 0.4 | 15.00 | 0.09 | 930 |
| 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 | 100000 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Grasshopper | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| SM 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 |

Acreage 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 for 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 |
| Fleahopper | 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 armyworm | 126399 | 120000 | 0.1 | 12.00 | 0.05 | 1188 |
| 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 |
| SM 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 |

Acreage harvested: 1263992 Yield per Acre: 1.98 Bales

Percent Lost: 11.34 Dollars Lost: \$ 81,708,959 Cost per Acre: \$ 75.52

Table 14 Summary of Imperial Valley California Cotton Insect Losses for 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 | 9200 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Fleahopper | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Lygus bug | 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 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 |
| SM caterpillar | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Aphids | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Banded 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 for 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 | 21200 | 1500 | 0.0 | 12.00 | 0.00 | 0 |
| Fleahopper | 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 armyworm | 126399 | 120000 | 0.1 | 12.00 | 0.05 | 1188 |
| 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 90000 | 60000 | 1.1 | 12.20 | 3.80 | 4872 |
| Fall armyworm | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 350000 | 150000 | 0.2 | 11.00 | 0.20 | 4025 |
| Fall armyworm | 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 |
| SM 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 for 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 |
| Fleahopper | 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 armyworm | 772695 | 262636 | 0.5 | 13.85 | 0.38 | 5291 |
| Fall armyworm | 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 |
| SM 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 for 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 |
| Fleahopper | 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 armyworm | 398682 | 169836 | 0.3 | 12.42 | 0.37 | 5022 |
| Fall armyworm | 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 |

| | | | | | | |
|--|--------|--------|-----|------|------|-------|
| SM 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 for 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 |
| Fleahopper | 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 | 398737 | 240406 | 0.8 | 2.97 | 0.27 | 1174 |
| Beet armyworm | 299278 | 143270 | 0.6 | 13.68 | 1.23 | 5381 |
| Fall armyworm | 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 |
| SM 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 for 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 | 14413 |
| Fleahopper | 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 armyworm | 697960 | 313106 | 0.4 | 13.05 | 0.58 | 10403 |
| Fall armyworm | 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 |
| SM caterpillar | 24600 | 6500 | 0.0 | 6.38 | 0.00 | 9 |

| | | | | | | |
|---|---------|--------|-----|------|------|-------|
| Aphids | 1235095 | 832752 | 1.0 | 6.98 | 1.47 | 26390 |
| Bnded w whtiefly | 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 10000 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Fall armyworm | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 33930 | 11330 | 0.5 | 13.33 | 2.22 | 2455 |
| 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 | 7600 | 500 | 0.0 | 10.00 | 0.01 | 8 |
| Grasshopper | 11485 | 1000 | 0.0 | 10.00 | 0.02 | 17 |
| SM 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 for 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 | 810000 | 780000 | 2.6 | 9.20 | 3.70 | 35227 |
| Fleahopper | 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 armyworm | 700000 | 600 | 0.0 | 15.25 | 0.04 | 280 |
| Fall armyworm | 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 |
| SM 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 for 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 | 300000 | 275000 | 2.5 | 7.25 | 7.28 | 18181 |
| Boll/Bud Worms | 325000 | 200000 | 1.8 | 11.75 | 2.46 | 6150 |
| Fleahopper | 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 armyworm | 100000 | 20000 | 0.1 | 12.00 | 0.09 | 231 |
| Fall armyworm | 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 |
| SM 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 perAcre: 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 for 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 | 16612 | 16612 | 0.3 | 3.00 | 0.00 | 0 |
| Boll/Bud Worms | 320000 | 315000 | 4.7 | 7.00 | 4.70 | 20836 |
| Fleahopper | 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 armyworm | 75000 | 30000 | 0.2 | 17.00 | 0.90 | 3969 |
| Fall armyworm | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 25000 | 2000 | 0.0 | 14.00 | 0.01 | 48 |
| Fall armyworm | 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 |
| SM 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 for 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 | 29000 | 29000 | 0.6 | 3.00 | 1.00 | 2096 |
| Boll/Bud Worms | 295000 | 190000 | 1.0 | 11.00 | 10.00 | 20997 |
| Fleahopper | 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 armyworm | 295000 | 180000 | 1.5 | 18.00 | 30.00 | 62992 |
| Fall armyworm | 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 |
| SM 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 |
| Acreage harvested: 240000 Yield per Acre: 0.38 Bales | | | | | | |
| 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 for 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 | 641000 | 360000 | 1.3 | 6.01 | 9.20 | 33427 |
| Boll/Bud Worms | 641000 | 224000 | 0.6 | 11.65 | 8.20 | 29793 |
| Fleahopper | 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 armyworm | 224000 | 870000 | 0.3 | 9.80 | 1.10 | 3997 |
| Fall armyworm | 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 |
| SM 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 |

Acreage 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 for 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 | 2300000 | 650000 | 0.8 | 8.00 | 4.00 | 119983 |
| Boll/Bud Worms | 1800000 | 500000 | 0.2 | 10.10 | 1.50 | 44994 |
| Fleahopper | 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 armyworm | 1650000 | 450000 | 0.2 | 16.50 | 1.00 | 14998 |
| Fall armyworm | 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 |
| SM caterpillar | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Aphids | 2800000 | 500000 | 0.2 | 7.85 | 0.30 | 899 |
| 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 per Acre: 0.88 Bales

Percent Lost: 8.5 Dollars Lost: \$ 64,791,360 Cost per Acre: \$ 15.85

Table 31 Summary of Texas Coastal Bend Cotton Insect Losses for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 284000 | 125000 | 0.4 | 15.50 | 2.00 | 23546 |
| Fall armyworm | 194943 | 25000 | 0.0 | 6.85 | 0.20 | 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 360000 | 250000 | 5.0 | 18.00 | 50.00 | 163800 |
| Fall armyworm | 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 |
| SM 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 for 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 | 117000 | 45000 | 0.8 | 4.50 | 4.00 | 3861 |
| Boll/Bud Worms | 117000 | 73000 | 1.2 | 3.25 | 3.50 | 3378 |
| Fleahopper | 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 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 |
| SM 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 19000 | 3600 | 0.0 | 3.00 | 0.00 | 0 |
| Fall armyworm | 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 |
| SM 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 |
| Acreage 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 for 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 | 394455 | 293000 | 2.8 | 6.00 | 7.00 | 38626 |
| Boll/Bud Worms | 435000 | 180000 | 0.4 | 10.00 | 3.00 | 16554 |
| Fleahopper | 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 armyworm | 150000 | 80000 | 0.2 | 20.00 | 4.00 | 22072 |
| 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 | 435000 | 170000 | 0.4 | 6.62 | 3.50 | 19313 |
| Grasshopper | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| SM 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 |
| Acreage harvested: 422435 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 for 1995

| Pest | Acres Infested | Acres Treated | # Insect Applicat | Cost of 1 Applicat | % Yield Reduction | Bales 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 |
| Fleahopper | 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 armyworm | 2982000 | 1175600 | 0.4 | 15.44 | 1.72 | 291405 |
| Fall armyworm | 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 |
| SM 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 for 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 | 600 | 500 | 0.0 | 0.00 | 0.00 | 0 |
| Boll/Bud Worms | 107000 | 106000 | 1.5 | 10.00 | 0.99 | 1546 |
| 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 | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| Thrips | 107000 | 107000 | 1.0 | 6.50 | 2.50 | 3121 |
| 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 | 15000 | 1000 | 0.0 | 10.00 | 0.02 | 29 |

| | | | | | | |
|---|-------|---|-----|------|------|---|
| Grasshopper | 0 | 0 | 0.0 | 0.00 | 0.00 | 0 |
| SM 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 | | | | | | |