

Table 17

| Pest | Missouri | | | Cotton Insect Losses 2007 | | | |
|-------------------------------|----------------|---------------|----------------|---------------------------|------------|------|------------|
| | acres infested | acres treated | # insect appls | Cost of 1 applic | cost/ acre | %red | Bales lost |
| Boll Weevil | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Bollworm/Budworm | 293,000 | 73,500 | 0.195 | \$7.72 | \$1.51 | 1.00 | 8,647 |
| Pink Bollworm | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Cotton Fleahopper | 176,000 | 170,500 | 0.956 | \$4.92 | \$4.71 | 0.25 | 2,127 |
| Lygus | 377,000 | 371,500 | 2.508 | \$6.82 | \$17.12 | 1.93 | 16,642 |
| Cotton Leaf Perforator | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Spider Mites | 263,900 | 224,750 | 1.190 | \$16.39 | \$19.50 | 1.09 | 9,428 |
| Thrips | 270,250 | 257,750 | 0.684 | \$3.96 | \$2.71 | 0.76 | 6,600 |
| Beet Armyworm | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Fall Armyworm | 9,500 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| European Cornborer | 9,000 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Stink Bugs | 104,500 | 16,000 | 0.042 | \$4.88 | \$0.21 | 0.10 | 870 |
| Grasshoppers | 6,000 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Saltmarsh Caterpillars | 6,000 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Aphids | 1,800 | 1,400 | 0.004 | \$4.50 | \$0.02 | 0.00 | 0 |
| Banded Winged Whitefly | 1,500 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Silverleaf Whitefly (Bemesia) | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Loopers | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Southern Armyworms | 750 | 750 | 0.002 | \$9.00 | \$0.02 | 0.00 | 17 |
| Yellowstriped Armyworms | 80 | 80 | 0.000 | \$6.00 | \$0.00 | 0.00 | 0 |
| Cutworms | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |

| | |
|-----------------------|--------------|
| Percent Lost | 5.13 |
| Total Acres | 377,000 |
| Total Bales lost | 44,331 |
| Bales lost in dollars | \$12,767,370 |

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| Est. yield/acre | 705 |
| Spray applications | 5.581 |
| Cost + loss | \$46,428,650 |
| Cost + loss/acre | \$123.15 |

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|--------------------|-----------|
| | Cost/Acre |
| Foliar insecticide | \$45.78 |
| At planting | \$7.41 |
| Bt use fees | \$17.53 |
| Eradication | \$12.50 |
| Scouting | \$6.07 |
| Total | \$89.29 |

