

Table 12

Georgia

Cotton Insect Losses 2008

| Pest | acres infested | acres treated | #apps/ acre trtd | #apps/ tot acres | cost/ acre | %red | Bales lost |
|-------------------------------|----------------|---------------|------------------|------------------|------------|--------|------------|
| Boll Weevil | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Bollworm/Budworm | 752,000 | 470,000 | 1.10 | 0.550 | \$4.13 | 0.800% | 15,712 |
| Pink Bollworm | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Cotton Fleahopper | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Lygus | 376,000 | 75,200 | 1.00 | 0.080 | \$0.52 | 0.040% | 786 |
| Cotton Leaf Perforator | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Spider Mites | 47,000 | 9,400 | 1.00 | 0.010 | \$0.10 | 0.003% | 49 |
| Thrips | 846,000 | 235,000 | 1.00 | 0.250 | \$1.50 | 0.045% | 884 |
| Beet Armyworm | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Fall Armyworm | 18,800 | 4,700 | 1.00 | 0.005 | \$0.05 | 0.020% | 393 |
| European Cornborer | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Stink Bugs | 799,000 | 705,000 | 2.30 | 1.725 | \$12.94 | 1.275% | 25,041 |
| Grasshoppers | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Saltmarsh Caterpillars | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Aphids | 705,000 | 9,400 | 1.00 | 0.010 | \$0.08 | 0.004% | 74 |
| Banded Winged Whitefly | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Silverleaf Whitefly (Bemesia) | 47,000 | 9,400 | 1.00 | 0.010 | \$0.10 | 0.050% | 982 |
| Loopers | 18,800 | 4,700 | 1.00 | 0.005 | \$0.05 | 0.010% | 196 |
| Southern Armyworms | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Cutworms | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Clouded Plant bugs | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Other Insects | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |

| Yield & Management Results | |
|------------------------------|-----------|
| Total Acres | 940,000 |
| Total bales Harvested | 1,664,583 |
| Yield (lbs/acre) | 850 |
| Total bales Lost to Insects | 44,117 |
| Percent Yield Loss | 2.25% |
| Yield w/o Insects (lbs/acre) | 870 |
| Ave. # Spray Applications | 2.645 |
| Yield loss to all factors | 299,440 |
| % Yield loss to all factors | 15.25% |

| Economic Results | | |
|-----------------------------|--------------|----------|
| | Total | Per Acre |
| Foliar Insecticides - costs | \$18,285,350 | \$19.45 |
| At Planting Costs | \$8,460,000 | \$9.00 |
| Scouting costs | \$5,264,000 | \$5.60 |
| Eradication costs | \$2,350,000 | \$2.50 |
| Transgenic cotton | \$17,030,920 | \$18.12 |
| Total Costs | \$51,390,270 | \$54.67 |
| Yield Lost to insects | \$13,764,464 | \$14.64 |
| Total Losses + Costs | \$65,154,734 | \$69.31 |