

Table 23

Virginia

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 | 44,100 | 18,900 | 1.00 | 0.300 | \$2.40 | 0.000% | 0 |
| 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 | 1,008 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Cotton Leaf Perforator | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Spider Mites | 5,040 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Thrips | 63,000 | 44,100 | 1.20 | 0.840 | \$5.88 | 2.000% | 2,625 |
| Beet Armyworm | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Fall Armyworm | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| European Cornborer | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Stink Bugs | 28,350 | 9,450 | 1.00 | 0.150 | \$1.20 | 0.000% | 0 |
| Grasshoppers | 6 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Saltmarsh Caterpillars | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Aphids | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Banded Winged Whitefly | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Silverleaf Whitefly (Bemesia) | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| Loopers | 0 | 0 | 0.00 | 0.000 | \$0.00 | 0.000% | 0 |
| 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 | 63,000 |
| Total bales Harvested | 105,000 |
| Yield (lbs/acre) | 800 |
| Total bales Lost to Insects | 2,625 |
| Percent Yield Loss | 2.00% |
| Yield w/o Insects (lbs/acre) | 816 |
| Ave. # Spray Applications | 1.290 |
| Yield loss to all factors | 28,875 |
| % Yield loss to all factors | 22.00% |

| Economic Results | | |
|-----------------------------|-------------|----------|
| | Total | Per Acre |
| Foliar Insecticides - costs | \$597,240 | \$9.48 |
| At Planting Costs | \$945,000 | \$15.00 |
| Scouting costs | \$42,840 | \$0.68 |
| Eradication costs | \$204,750 | \$3.25 |
| Transgenic cotton | \$950,950 | \$15.09 |
| Total Costs | \$2,740,780 | \$43.50 |
| Yield Lost to insects | \$819,000 | \$13.00 |
| Total Losses + Costs | \$3,559,780 | \$56.50 |