

Table 16c

| Pest | Mississippi Hills <i>Bt</i> | | | | 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 | 84,400 | 25,000 | 0.148 | \$7.50 | \$1.11 | 0.25 | 1,231 |
| Pink Bollworm | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Cotton Fleahopper | 0 | 0 | 0.000 | N/A | 0.00 | 0.00 | 0 |
| Lygus | 125,000 | 75,000 | 0.666 | \$9.00 | \$6.00 | 0.40 | 1,969 |
| Cotton Leaf Perforator | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Spider Mites | 25,000 | 7,500 | 0.044 | \$15.00 | \$0.67 | 0.11 | 547 |
| Thrips | 168,800 | 45,000 | 0.267 | \$7.00 | \$1.87 | 0.10 | 492 |
| Beet Armyworm | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Fall Armyworm | 7,500 | 3,500 | 0.021 | \$10.00 | \$0.21 | 0.02 | 120 |
| European Cornborer | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Stink Bugs | 65,000 | 28,500 | 0.169 | \$7.25 | \$1.22 | 0.12 | 588 |
| Grasshoppers | 1,250 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Saltmarsh Caterpillars | 750 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Aphids | 45,000 | 15,000 | 0.089 | \$9.75 | \$0.87 | 0.05 | 263 |
| Banded Winged Whitefly | 0 | 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 | 3,500 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Southern Armyworms | 1,400 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Clouded Plant Bugs | 0 | 0 | 0.000 | N/A | \$0.00 | 0.00 | 0 |
| Cutworms | 15,000 | 87,500 | 0.518 | \$4.50 | \$2.33 | 0.00 | 4 |

| | |
|-----------------------|-------------|
| Percent Lost | 1.06 |
| Total Acres | 168,800 |
| Total Bales lost | 5,214 |
| Bales lost in dollars | \$1,501,542 |

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|--------------------|--------------|
| Est. yield/acre | 800 |
| Spray applications | 1.922 |
| Cost + loss | \$11,734,767 |
| Cost + loss/acre | \$69.52 |

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|--------------------|-----------|
| | Cost/Acre |
| Foliar insecticide | \$14.27 |
| At planting | \$8.80 |
| Bt use fees | \$20.00 |
| Eradication | \$12.00 |
| Scouting | \$5.55 |
| Total | \$60.62 |

