

**Table 10**

| Pest                          | Arkansas Summary |               |                |                  | Cotton Insect Losses 2007 |      |            |
|-------------------------------|------------------|---------------|----------------|------------------|---------------------------|------|------------|
|                               | acres infested   | acres treated | # insect appls | Cost of 1 applic | cost/ acre                | %red | Bales lost |
| Boll Weevil                   | 175,000          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Bollworm/Budworm              | 850,000          | 565,000       | 1.197          | \$9.00           | \$10.77                   | 1.00 | 26,563     |
| Pink Bollworm                 | 0                | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Cotton Fleahopper             | 595,000          | 0             | 0.000          | N/A              | 0.00                      | 0.00 | 0          |
| Lygus                         | 850,000          | 762,500       | 3.135          | \$8.00           | \$25.08                   | 1.69 | 44,844     |
| Cotton Leaf Perforator        | 0                | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Spider Mites                  | 725,000          | 257,500       | 0.547          | \$15.00          | \$8.21                    | 0.43 | 11,328     |
| Thrips                        | 850,000          | 420,000       | 0.494          | \$7.50           | \$3.71                    | 0.20 | 5,313      |
| Beet Armyworm                 | 172,500          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Fall Armyworm                 | 345,000          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| European Cornborer            | 0                | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Stink Bugs                    | 850,000          | 42,500        | 0.050          | \$8.00           | \$0.40                    | 0.12 | 3,281      |
| Grasshoppers                  | 195,000          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Saltmarsh Caterpillars        | 195,000          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Aphids                        | 850,000          | 17,000        | 0.020          | \$9.00           | \$0.18                    | 0.00 | 0          |
| Banded Winged Whitefly        | 212,500          | 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                       | 255,000          | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Southern Armyworms            | 0                | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Other Insects                 | 0                | 0             | 0.000          | N/A              | \$0.00                    | 0.00 | 0          |
| Cutworms                      | 255,000          | 9,000         | 0.011          | \$3.50           | \$0.04                    | 0.02 | 422        |

|                       |              |
|-----------------------|--------------|
| Percent Lost          | 3.45         |
| Total Acres           | 850,000      |
| Total Bales lost      | 91,750       |
| Bales lost in dollars | \$26,424,000 |

|                    |               |
|--------------------|---------------|
| Est. yield/acre    | 1,047         |
| Spray applications | 5.454         |
| Cost + loss        | \$111,067,625 |
| Cost + loss/acre   | \$130.67      |

|                    |           |
|--------------------|-----------|
|                    | Cost/Acre |
| Foliar insecticide | \$48.38   |
| At planting        | \$11.76   |
| Bt use fees        | \$18.19   |
| Eradication        | \$12.00   |
| Scouting           | \$9.25    |
| Total              | \$99.58   |

