

Table 9a

North Alabama

Cotton Insect Losses 2010

| Pest                          | acres infested | acres treated | #apps/ acre |                  | cost/<br>acre | %red  | Bales lost |
|-------------------------------|----------------|---------------|-------------|------------------|---------------|-------|------------|
|                               |                |               | trtd        | #apps/ tot acres |               |       |            |
| Boll Weevil                   | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Bollworm/Budworm              | 99,267         | 10,622        | 1.0         | 0.11             | \$1.40        | 0.50% | 1,574      |
| Pink Bollworm                 | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Cotton Fleahopper             | 4,963          | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Lygus                         | 99,267         | 89,267        | 1.3         | 1.17             | \$10.76       | 1.50% | 4,723      |
| Cotton Leaf Perforator        | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Spider Mites                  | 59,560         | 5,000         | 1.0         | 0.05             | \$0.55        | 1.75% | 5,510      |
| Thrips                        | 99,267         | 24,817        | 1.0         | 0.25             | \$1.31        | 0.50% | 1,574      |
| Beet Armyworm                 | 993            | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Fall Armyworm                 | 19,853         | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| European Cornborer            | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Stink Bugs                    | 99,267         | 9,927         | 1.0         | 0.10             | \$0.73        | 0.50% | 1,574      |
| Grasshoppers                  | 2,978          | 596           | 1.0         | 0.01             | \$0.04        | 0.00% | 0          |
| Saltmarsh Caterpillars        | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Aphids                        | 99,267         | 5,000         | 1.0         | 0.05             | \$0.53        | 0.20% | 630        |
| Banded Winged Whitefly        | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Silverleaf Whitefly (Bemisia) | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Loopers                       | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Southern Armyworms            | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Cutworms                      | 14,890         | 5,000         | 1.0         | 0.05             | \$0.25        | 0.00% | 0          |
| Clouded Plant bugs            | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Other Insects 1               | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Other Insects 2               | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Other Insects 3               | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
| Other Insects 4               | 0              | 0             | 0.0         | 0.00             | \$0.00        | 0.00% | 0          |
|                               |                |               |             | 1.78             | \$15.57       | 4.95% | 15,585     |

| Yield & Management Results  |         |
|-----------------------------|---------|
| Total Acres                 | 99,267  |
| Total bales Harvested       | 150,969 |
| yield (lbs/acre)            | 730     |
| Total bales Lost to Insects | 15,585  |
| Percent Yield Loss          | 4.95%   |
| Yield w/o Insects (lbs/ac)  | 768     |
| Ave. # Spray Applications   | 1.783   |
| Bales lost all factors      | 163,877 |
| % yield loss all factors    | 52.05%  |

| Economic Results          |  | Total        | Per Acre |
|---------------------------|--|--------------|----------|
| Foliar Insecticides Costs |  | \$1,545,533  | \$15.57  |
| At Planting Costs         |  | \$670,052    | \$6.75   |
| In-furrow costs           |  | \$476,482    | \$4.80   |
| Scouting costs            |  | \$580,712    | \$5.85   |
| Eradication costs         |  | \$248,168    | \$2.50   |
| Transgenic cotton         |  | \$1,818,652  | \$18.32  |
| Total Costs               |  | \$5,339,598  | \$53.79  |
| Yield Lost to insects     |  | \$5,610,552  | \$56.52  |
| Total costs plus loss     |  | \$10,950,151 | \$110.31 |