

Table 14

## Georgia Summary

## Cotton Insect Losses 2010

| Pest                          | acres infested | acres treated | #apps/ acre | #apps/ tot acres | cost/   | %red  | Bales  |
|-------------------------------|----------------|---------------|-------------|------------------|---------|-------|--------|
|                               |                |               | trtd        |                  | acre    |       | lost   |
| Boll Weevil                   | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Bollworm/Budworm              | 993,750        | 132,500       | 1.0         | 0.10             | \$0.75  | 0.38% | 10,327 |
| Pink Bollworm                 | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Cotton Fleahopper             | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Lygus                         | 397,500        | 106,000       | 1.0         | 0.08             | \$0.52  | 0.15% | 4,131  |
| Cotton Leaf Perforator        | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Spider Mites                  | 530,000        | 14,999        | 1.0         | 0.01             | \$0.11  | 0.02% | 551    |
| Thrips                        | 1,192,500      | 198,750       | 1.0         | 0.15             | \$0.90  | 0.01% | 248    |
| Beet Armyworm                 | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Fall Armyworm                 | 26,500         | 6,625         | 1.0         | 0.01             | \$0.05  | 0.02% | 551    |
| European Cornborer            | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Stink Bugs                    | 1,126,250      | 1,060,000     | 2.5         | 2.00             | \$15.00 | 1.70% | 46,817 |
| Grasshoppers                  | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Saltmarsh Caterpillars        | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Aphids                        | 993,750        | 13,250        | 1.0         | 0.01             | \$0.08  | 0.00% | 103    |
| Banded Winged Whitefly        | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Silverleaf Whitefly (Bemisia) | 53,000         | 1,325         | 1.0         | 0.00             | \$0.01  | 0.04% | 1,102  |
| Loopers                       | 0              | 0             | 1.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Southern Armyworms            | 0              | 0             | 0.0         | 0.00             | \$0.00  | 0.00% | 0      |
| Cutworms                      | 0              | 0             | 0.0         | 0.00             | \$0.00  | 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      |
|                               |                |               |             | 2.36             | \$17.42 | 2.32% | 63,829 |

**Yield & Management Results**

|                             |           |
|-----------------------------|-----------|
| Total Acres                 | 1,325,000 |
| Total bales Harvested       | 2,139,323 |
| yield (lbs/acre)            | 775       |
| Total bales Lost to Insects | 63,829    |
| Percent Yield Loss          | 2.32%     |
| Yield w/o Insects (lbs/ac)  | 793       |
| Ave. # Spray Applications   | 2.357     |
| Bales lost all factors      | 614,618   |
| % yield loss all factors    | 22.32%    |

**Economic Results**

|                           | Total        | Per Acre |
|---------------------------|--------------|----------|
| Foliar Insecticides Costs | \$23,079,115 | \$17.42  |
| At Planting Costs         | \$4,637,500  | \$3.50   |
| In-furrow costs           | \$8,347,500  | \$6.30   |
| Scouting costs            | \$7,420,000  | \$5.60   |
| Eradication costs         | \$1,351,500  | \$1.02   |
| Transgenic cotton         | \$20,583,336 | \$15.53  |
| Total Costs               | \$65,418,951 | \$49.37  |
| Yield Lost to insects     | \$19,914,790 | \$15.03  |
| Total Losses + Costs      | \$85,333,741 | \$64.40  |