

Table 8

## Summary of All States

## Cotton Insect Losses 2010

| Pest                          | acres infested | acres treated | #apps/ acre<br>trtd | #apps/ tot acres | cost/ acre | %red   | Bales lost |
|-------------------------------|----------------|---------------|---------------------|------------------|------------|--------|------------|
| Boll Weevil                   | 115,470        | 25,920        | 1.00                | 0.002            | \$0.01     | 0.000% | 0          |
| Bollworm/Budworm              | 8,288,944      | 2,113,842     | 1.59                | 0.313            | \$2.53     | 1.177% | 263,902    |
| Pink Bollworm                 | 99,285         | 0             | 0.00                | 0.000            | \$0.00     | 0.000% | 0          |
| Cotton Fleahopper             | 4,487,032      | 2,357,727     | 1.64                | 0.361            | \$2.78     | 0.359% | 81,048     |
| Lygus                         | 5,967,935      | 2,523,963     | 2.76                | 0.650            | \$7.63     | 0.656% | 196,936    |
| Cotton Leaf Perforator        | 24,588         | 0             | 0.00                | 0.000            | \$0.00     | 0.000% | 0          |
| Spider Mites                  | 3,557,579      | 838,184       | 1.16                | 0.091            | \$1.48     | 0.197% | 57,360     |
| Thrips                        | 10,191,931     | 3,488,695     | 1.21                | 0.393            | \$2.27     | 0.193% | 45,964     |
| Beet Armyworm                 | 1,079,152      | 52,222        | 0.97                | 0.005            | \$0.06     | 0.000% | 146        |
| Fall Armyworm                 | 2,762,701      | 203,109       | 0.83                | 0.016            | \$0.20     | 0.198% | 41,256     |
| European Cornborer            | 0              | 0             | 0.00                | 0.000            | \$0.00     | 0.000% | 0          |
| Stink Bugs                    | 6,712,988      | 2,782,462     | 1.67                | 0.433            | \$3.44     | 0.716% | 162,397    |
| Grasshoppers                  | 1,293,128      | 53,300        | 0.53                | 0.003            | \$0.02     | 0.001% | 373        |
| Saltmarsh Caterpillars        | 735,177        | 3,400         | 0.00                | 0.000            | \$0.00     | 0.001% | 140        |
| Aphids                        | 7,168,129      | 1,310,943     | 0.96                | 0.117            | \$1.44     | 0.284% | 60,462     |
| Banded Winged Whitefly        | 483,273        | 0             | 0.00                | 0.000            | \$0.00     | 0.000% | 0          |
| Silverleaf Whitefly (Bemesia) | 531,830        | 113,852       | 1.57                | 0.017            | \$0.74     | 0.015% | 4,992      |
| Loopers                       | 739,898        | 9,160         | 1.00                | 0.001            | \$0.01     | 0.001% | 197        |
| Southern Armyworms            | 242,500        | 0             | 0.00                | 0.000            | \$0.00     | 0.000% | 0          |
| Cutworms                      | 487,946        | 543,570       | 0.97                | 0.049            | \$0.19     | 0.003% | 699        |
| Clouded Plant bugs            | 614,569        | 213,683       | 0.98                | 0.020            | \$0.14     | 0.024% | 6,465      |
| Other Insects 1               | 192,107        | 18,303        | 0.98                | 0.002            | \$0.01     | 0.003% | 1,107      |
| Other Insects 2               | 435,054        | 6,219         | 1.00                | 0.001            | \$0.01     | 0.019% | 34,471     |
| Other Insects 3               | 21,795         | 1,488         | 0.50                | 0.000            | \$0.00     | 0.000% | 17         |
| Other Insects 4               | 638            | 638           | 0.50                | 0.000            | \$0.00     | 0.000% | 1          |
|                               |                |               |                     | 2.473            | \$22.96    | 3.847% | 957,933    |

**Yield & Management Results**

|                             |            |
|-----------------------------|------------|
| Total Acres                 | 10,699,257 |
| Total bales Harvested       | 17,360,414 |
| yield (lbs/acre)            | 779        |
| Total bales Lost to Insects | 957,933    |
| Percent Yield Loss          | 3.85%      |
| Yield w/o Insects (lbs/ac)  | 810        |
| Ave. # Spray Applications   | 2.47       |
| Bales lost all factors      | 6,231,673  |
| % yield loss all factors    | 26.4%      |

**Economic results**

|                           | Total         | Per Acre |
|---------------------------|---------------|----------|
| Foliar Insecticides Costs | \$245,684,305 | \$22.96  |
| At Planting Costs         | \$64,672,581  | \$6.04   |
| In-furrow costs           | \$38,122,915  | \$3.56   |
| Scouting costs            | \$51,563,016  | \$4.82   |
| *Eradication costs*       | \$54,212,472  | \$5.07   |
| Transgenic cotton         | \$149,597,949 | \$13.98  |
| Total Costs               | \$603,853,238 | \$56.44  |
| Yield Lost to insects     | \$366,468,507 | \$34.25  |
| Total Losses + Costs      | \$970,321,745 | \$90.69  |

\* Pink Bollworm costs - \$.35 and Boll weevil costs - \$4.71