

Table 21

Oklahoma Summary

Cotton Insect Losses 2010

| Pest | acres infested | acres treated | #apps/ acre trtd | #apps/ tot acres | cost/ acre | %red | Bales lost |
|-------------------------------|---------------------------|----------------------|-----------------------------|-------------------------|-------------------|-------------|-------------------|
| Boll Weevil | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Bollworm/Budworm | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Pink Bollworm | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Cotton Fleahopper | 233,124 | 159,073 | 1.0 | 0.580 | \$5.22 | 2.55% | 12,816 |
| Lygus | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Cotton Leaf Perforator | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Spider Mites | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Thrips | 161,816 | 161,816 | 1.0 | 0.590 | \$2.95 | 0.00% | 3 |
| Beet Armyworm | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Fall Armyworm | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| European Cornborer | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Stink Bugs | 27,426 | 48,270 | 1.0 | 0.176 | \$0.35 | 0.50% | 2,513 |
| Grasshoppers | 27 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Saltmarsh Caterpillars | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Aphids | 250 | 62 | 1.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Banded Winged Whitefly | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Silverleaf Whitefly (Bemisia) | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Loopers | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Southern Armyworms | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Cutworms | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Clouded Plant bugs | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Other Insects 1 | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Other Insects 2 | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Other Insects 3 | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| Other Insects 4 | 0 | 0 | 0.0 | 0.000 | \$0.00 | 0.00% | 0 |
| | | | | 1.346 | \$8.52 | 3.05% | 15,332 |

Yield & Management Results

| | |
|-----------------------------|----------|
| Total Acres | 274264 |
| Total bales Harvested | 457107 |
| yield (lbs/acre) | 800 |
| Total bales Lost to Insects | 15332 |
| Percent Yield Loss | 3.05% |
| Yield w/o Insects (lbs/ac) | 825 |
| Ave. # Spray Applications | 1.346225 |
| Bales lost all factors | 45488 |
| % yield loss all factors | 9.05% |

Economic Results

| | Total | Per Acre |
|---------------------------|--------------|----------|
| Foliar Insecticides Costs | \$2,337,679 | \$8.52 |
| At Planting Costs | \$1,086,085 | \$3.96 |
| In-furrow costs | \$738,508 | \$2.69 |
| Scouting costs | \$600,000 | \$2.19 |
| Eradication costs | \$0 | \$0.00 |
| Transgenic cotton | \$3,993,284 | \$14.56 |
| Total Costs | \$8,755,557 | \$31.92 |
| Yield Lost to insects | \$5,151,584 | \$18.78 |
| Total Losses + Costs | \$13,907,141 | \$50.71 |