

Table 26

Southeast Area States Summary

Cotton Insect Losses 2014

| Pest | acres infested | acres treated | #apps/ acre | #apps/ tot | cost/ acre | %red | Bales lost |
|-------------------------------|----------------|---------------|-------------|------------|------------|--------|------------|
| | | | trtd | acres | | | |
| Bollworm/Budworm | 1,279,225 | 219,925 | 1 | 0.08 | \$0.56 | 0.195% | 14,091 |
| Beet Armyworm | 73,240 | 685 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Fall Armyworm | 201,200 | 12,450 | 0 | 0.00 | \$0.01 | 0.032% | 2,395 |
| Loopers | 0 | 516 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cutworms | 123,758 | 4,257 | 1 | 0.00 | \$0.01 | 0.003% | 211 |
| Saltmarsh Caterpillar | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Verde Plant bug | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cotton Fleahopper | 39,000 | 2,580 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Lygus | 1,370,750 | 609,650 | 1 | 0.37 | \$2.37 | 0.239% | 16,184 |
| Stink Bugs | 2,438,450 | 1,934,250 | 2 | 1.29 | \$9.11 | 1.244% | 86,026 |
| Clouded Plant bugs | 406,600 | 100,718 | 1 | 0.04 | \$0.27 | 0.052% | 3,570 |
| Other Bugs | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Bagrada Bug | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Leaf-footed Bugs | 15,700 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Spider Mites | 1,267,850 | 515,140 | 1 | 0.20 | \$1.83 | 0.174% | 11,805 |
| Thrips | 2,584,500 | 1,594,150 | 1 | 0.67 | \$3.73 | 0.669% | 46,207 |
| Aphids | 1,523,150 | 157,720 | 1 | 0.06 | \$0.47 | 0.031% | 2,038 |
| Grasshoppers | 263,800 | 131,800 | 1 | 0.05 | \$0.20 | 0.000% | 0 |
| Banded Winged Whitefly | 140,000 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Silverleaf Whitefly (Bemisia) | 165,000 | 13,700 | 1 | 0.01 | \$0.05 | 0.005% | 357 |
| Darkling Beetle | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Pale-striped Flea Beetle | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Boll Weevil | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| | | | | 2.77 | \$18.60 | 2.642% | 182,884 |

| Yield & Management Results | |
|-----------------------------|-----------|
| Total Acres | 2,653,000 |
| Total bales Harvested | 5,227,802 |
| yield (lbs/acre) | 946 |
| Total bales Lost to Insects | 182,884 |
| Percent Yield Loss | 2.64% |
| Yield w/o Insects (lbs/ac) | 972 |
| Ave. # Spray Applications | 2.77 |
| Bales lost all factors | 1,673,421 |
| % yield loss all factors | 24.25% |

| Economic Results | Total | Per Acre |
|---------------------------|---------------|----------|
| Foliar Insecticides Costs | \$49,345,027 | \$18.60 |
| At Planting Costs | \$26,362,520 | \$9.94 |
| In-furrow costs | \$4,947,530 | \$1.86 |
| Scouting costs | \$14,622,943 | \$5.51 |
| Eradication costs | \$4,400,500 | \$1.66 |
| Transgenic cotton | \$50,483,688 | \$19.03 |
| Total Costs | \$150,162,207 | \$56.60 |
| Yield Lost to insects | \$61,295,581 | \$23.10 |
| Total Losses + Costs | \$211,457,788 | \$79.71 |