

Table 24

Texas Summary

Cotton Insect Losses 2014

| Pest | acres infested | acres treated | #apps/ acre | #apps/ tot | cost/ acre | %red | Bales lost |
|-------------------------------|----------------|---------------|-------------|------------|------------|--------|------------|
| | | | trtd | acres | | | |
| Bollworm/Budworm | 1,272,639 | 149,841 | 1 | 0.02 | \$0.18 | 0.091% | 10,529 |
| Beet Armyworm | 3,771 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Fall Armyworm | 94,386 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 17 |
| Loopers | 386,538 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cutworms | 4,719 | 3,795 | 1 | 0.00 | \$0.00 | 0.000% | 1 |
| Saltmarsh Caterpillar | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Verde Plant bug | 195,454 | 147,065 | 1 | 0.02 | \$0.13 | 0.013% | 1,466 |
| Cotton Fleahopper | 3,363,893 | 863,781 | 1 | 0.23 | \$1.54 | 0.128% | 14,596 |
| Lygus | 1,555,843 | 69,016 | 1 | 0.01 | \$0.07 | 0.029% | 3,750 |
| Stink Bugs | 2,627,671 | 381,490 | 1 | 0.08 | \$0.45 | 0.005% | 636 |
| Clouded Plant bugs | 0 | 4,744 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| 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 | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Spider Mites | 178,128 | 35,865 | 1 | 0.01 | \$0.03 | 0.017% | 2,027 |
| Thrips | 3,380,655 | 2,781,561 | 1 | 0.45 | \$0.81 | 0.079% | 9,256 |
| Aphids | 2,653,479 | 116,443 | 1 | 0.02 | \$0.07 | 0.043% | 4,765 |
| Grasshoppers | 2,787,526 | 343,058 | 1 | 0.06 | \$0.27 | 0.006% | 812 |
| Banded Winged Whitefly | 564,253 | 48,876 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Silverleaf Whitefly (Bemisia) | 291,819 | 963,756 | 0 | 0.15 | \$0.89 | 0.002% | 267 |
| 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 | 47,440 | 18,976 | 6 | 0.02 | \$0.02 | 0.000% | 0 |
| | | | | 1.08 | \$4.48 | 0.414% | 48,122 |

| Yield & Management Results | |
|-----------------------------|------------|
| Total Acres | 6,214,288 |
| Total bales Harvested | 10,098,509 |
| yield (lbs/acre) | 780 |
| Total bales Lost to Insects | 48,122 |
| Percent Yield Loss | 0.41% |
| Yield w/o Insects (lbs/ac) | 783 |
| Ave. # Spray Applications | 1.08 |
| Bales lost all factors | 3,006,675 |
| % yield loss all factors | 22.94% |

| Economic Results | Total | Per Acre |
|---------------------------|---------------|----------|
| Foliar Insecticides Costs | \$27,824,290 | \$4.48 |
| At Planting Costs | \$45,474,146 | \$7.32 |
| In-furrow costs | \$1,696,725 | \$0.27 |
| Scouting costs | \$18,341,619 | \$2.95 |
| Eradication costs | \$19,988,495 | \$3.22 |
| Transgenic cotton | \$60,100,536 | \$9.67 |
| Total Costs | \$173,425,811 | \$27.91 |
| Yield Lost to insects | \$13,969,546 | \$2.25 |
| Total Losses + Costs | \$187,395,357 | \$30.16 |