

Table 15

Kansas Summary

Cotton Insect losses 2016

| <b>Pest</b>               | <b>acres infested</b> | <b>acres treated</b> | <b>#apps/ acre trtd</b> | <b>#apps/ tot acres</b> | <b>cost/ acre</b> | <b>%red</b> | <b>Bales lost</b> |
|---------------------------|-----------------------|----------------------|-------------------------|-------------------------|-------------------|-------------|-------------------|
| Bollworm/Budworm          | 3,100                 | 2,300                | 1                       | 0.07                    | \$0.66            | 0.133%      | 91                |
| Beet Armyworm             | 0                     | 0                    | 1                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Fall Armyworm             | 0                     | 0                    | 1                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Loopers                   | 0                     | 0                    | 1                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Cutworms                  | 0                     | 0                    | 1                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Cotton Leafperforator     | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Saltmarsh Caterpillar     | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Verde Plant Bugs          | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Cotton Fleahopper         | 27,900                | 9,300                | 2                       | 0.45                    | \$1.88            | 1.620%      | 1,106             |
| Lygus                     | 20,150                | 4,650                | 2                       | 0.30                    | \$1.80            | 0.650%      | 444               |
| Stink Bugs                | 4,650                 | 310                  | 1                       | 0.01                    | \$0.05            | 0.150%      | 102               |
| Clouded Plant bugs        | 0                     | 0                    | 1                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Brown Stink bug           | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Bagrada Bugs              | 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              | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Thrips                    | 5,000                 | 1,000                | 1                       | 0.05                    | \$0.35            | 0.850%      | 580               |
| Aphids                    | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Grasshoppers              | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Banded Winged Whitefly    | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Silverleaf Whitefly       | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Darkling Beetle           | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Pale-striped Flea Beetles | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Mealybugs                 | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Crickets                  | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
| Boll Weevils              | 0                     | 0                    | 0                       | 0.00                    | \$0.00            | 0.000%      | 0                 |
|                           |                       |                      |                         | 0.88                    | \$4.73            | 3.403%      | 2,324             |

| <b>Yield &amp; Management Results</b> |        |
|---------------------------------------|--------|
| Total Acres                           | 31,000 |
| Total bales Harvested                 | 55,025 |
| yield (lbs/acre)                      | 852    |
| Total bales Lost to Insects           | 2,324  |
| Percent Yield Loss                    | 3.40%  |
| Yield w/o Insects (lbs/ac)            | 882    |
| Ave. # Spray Applications             | 0.88   |
| Bales lost all factors                | 13,247 |
| % yield loss all factors              | 19.40% |

| <b>Economic Results</b>   | Total       | Per Acre |
|---------------------------|-------------|----------|
| Foliar Insecticides Costs | \$146,764   | \$4.73   |
| At Planting Costs         | \$132,618   | \$4.28   |
| In-furrow costs           | \$18,600    | \$0.60   |
| Scouting costs            | \$136,710   | \$4.41   |
| Eradication costs         | \$0         | \$0.00   |
| Transgenic cotton         | \$212,167   | \$6.84   |
| Total Costs               | \$646,859   | \$20.87  |
| Yield Lost to insects     | \$669,169   | \$21.59  |
| Total Losses + Costs      | \$1,316,028 | \$42.45  |