

Table 19

New Mexico Summary

Cotton Insect losses 2016

| Pest | acres infested | acres treated | #apps/ acre trtd | #apps/ tot acres | cost/ acre | %red | Bales lost |
|---------------------------|----------------|---------------|------------------|------------------|------------|--------|------------|
| Bollworm/Budworm | 2,969 | 186 | 1 | 0.01 | \$0.05 | 0.107% | 87 |
| Beet Armyworm | 37 | 4 | 1 | 0.00 | \$0.00 | 0.000% | 0 |
| Fall Armyworm | 371 | 186 | 1 | 0.01 | \$0.05 | 0.000% | 0 |
| Loopers | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cutworms | 111 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cotton Leafperforator | 74 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Saltmarsh Caterpillar | 371 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Verde Plant Bugs | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Cotton Fleahopper | 13,730 | 1,855 | 1 | 0.05 | \$0.54 | 0.666% | 542 |
| Lygus | 24,120 | 3,711 | 1 | 0.10 | \$1.22 | 0.975% | 793 |
| Stink Bugs | 5,195 | 557 | 1 | 0.02 | \$0.15 | 0.140% | 114 |
| Clouded Plant bugs | 2,969 | 74 | 1 | 0.00 | \$0.02 | 0.128% | 104 |
| 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 | 371 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Spider Mites | 0 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Thrips | 32,655 | 27,831 | 1 | 0.75 | \$5.17 | 1.760% | 1,431 |
| Aphids | 742 | 371 | 1 | 0.00 | \$0.11 | 0.000% | 0 |
| Grasshoppers | 1,113 | 0 | 0 | 0.00 | \$0.00 | 0.000% | 0 |
| Banded Winged Whitefly | 742 | 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 | 742 | 0 | 0 | 0.00 | \$0.00 | 0.008% | 7 |
| 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 |
| | | | | 0.94 | \$7.31 | 3.784% | 3,077 |

| Yield & Management Results | |
|-----------------------------|--------|
| Total Acres | 37,108 |
| Total bales Harvested | 68,804 |
| yield (lbs/acre) | 890 |
| Total bales Lost to Insects | 3,077 |
| Percent Yield Loss | 3.78% |
| Yield w/o Insects (lbs/ac) | 925 |
| Ave. # Spray Applications | 0.94 |
| Bales lost all factors | 12,509 |
| % yield loss all factors | 15.38% |

| Economic Results | Total | Per Acre | |
|---------------------------|-------------|----------|--------|
| Foliar Insecticides Costs | \$271,254 | \$7.31 | |
| At Planting Costs | \$231,153 | \$6.23 | |
| In-furrow costs | \$3,599 | \$0.10 | |
| Scouting costs | \$249,767 | \$6.73 | |
| Eradication costs | \$262,235 | \$7.07 | |
| Transgenic cotton | \$397,293 | \$10.71 | |
| Total Costs | \$1,415,301 | \$38.14 | |
| Yield Lost to insects | \$1,151,881 | \$31.04 | |
| Total Losses + Costs | \$2,567,182 | \$69.18 | |
| PBE | \$6.98 | BWE | \$5.95 |