

University of Tennessee

Economics of Bt Corn Traits - Later planted - Gibson Co.

Location: Research and Education Center at Milan

Variety: (planted 5-16-2017)

Plots: 4 Rows x 30 ft (RCBD, 6 Reps)

Investigators: Stewart, S. Steckel, Williams

CEW = Corn earworm; # dam ears = # damaged ears; # dam ker = # damaged kernels;

SWCB = Southwestern corn borer; # tunneled = # tunneled plants

| Description | Stand Counts | | CEW # dam ears | | CEW Total CEW | | CEW # dam ker | | SWCB # tunneled | | SWCB # tunnels | | Yield | |
|-------------------|--------------|----|-------------------|---|------------------|----|------------------|----|--------------------|---|-------------------|---|-----------|----|
| Rating Date | 5/30/2017 | | 8/3/2017 | | 8/3/2017 | | 8/3/2017 | | 9/8/2017 | | 9/8/2017 | | 9/18/2017 | |
| Sample Size, Unit | 70 Rowft | | 10 Ears | | 10 Ears | | 10 Ears | | 10 Plants | | 10 Plants | | Bu/Acre | |
| Trt-Eval Interval | 14 DAP | | 79 DAP | | 79 DAP | | 79 DAP | | 115 DAP | | 115 DAP | | 125 DA-A | |
| Treatment | | | | | | | | | | | | | | |
| 1 DKC67-70RR2 | 128.0 | ab | 10.0 | a | 0.5 | c | 49.5 | b | 3.8 | a | 21.5 | a | 219.5 | b |
| 2 DKC67-72VT2P | 120.0 | c | 9.8 | a | 5.8 | a | 50.0 | b | | | | | 228.6 | a |
| 3 P1319R | 128.2 | ab | 10.0 | a | 2.3 | bc | 85.8 | a | 2.8 | a | 7.8 | b | 208.3 | c |
| 4 P1319HR | 128.7 | ab | 9.8 | a | 2.3 | bc | 76.8 | ab | | | | | 219.6 | b |
| 5 P1319YHR | 130.2 | a | 10.0 | a | 4.3 | ab | 51.3 | b | | | | | 220.0 | ab |
| 6 P1319VYHR | 126.7 | b | 0.3 | b | 0.5 | c | 0.8 | c | | | | | 215.9 | bc |

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

Yield (bu/acre)

