

# University of Tennessee

## Foliar Applications for Control of Kudzu Bugs and Stink Bugs in Soybean - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: Pioneer 45T11 RR (planted 5-16-2017)

Plots: 4 Rows x 35 ft (RCBD, 4 Reps)

Application: 8-29-2017; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

Rating: 25 sweeps per plot

Investigators: Stewart, S. Steckel, Williams

KB = Kudzu bug; GSB = Green stink bug; BSB = Brown stink bug; BMSB = Brown marmorated stink bug;

Total SB = Stink bugs = Green + Brown + Brown Marmorated, adults + immatures; Looper = Soybean + cabbage

| Description         |             |            | KB       | GSB      | BSB      | BMSB     | Total SB | Looper   | Yield     |
|---------------------|-------------|------------|----------|----------|----------|----------|----------|----------|-----------|
| Rating Date         |             |            | 9/5/2017 | 9/5/2017 | 9/5/2017 | 9/5/2017 | 9/5/2017 | 9/5/2017 | 9/26/2017 |
| Pest Stage Majority |             |            | Ad + Imm | Ad + Imm | Ad + Imm | Ad + Imm | Ad + Imm | Total    | Bu/acre   |
| Trt-Eval Interval   |             |            | 7 DA-A   | 7 DA-A   | 7 DA-A   | 7 DA-A   | 7 DA-A   | 7 DA-A   | 28 DA-A   |
| Treatment           | Formulation | Rate       |          |          |          |          |          |          |           |
| 1 Bifenture         | 2 lb/gal    | 5 fl oz/a  | 0.4 b    | 0.8 a    | 2.0 a    | 0.0 a    | 2.8 b    | 4.6 a    | 48.0 a    |
| 2 Besiege           | 1.25 lb/gal | 7 fl oz/a  | 1.8 b    | 0.6 a    | 3.0 a    | 0.0 a    | 3.6 b    | 1.4 ab   | 49.1 a    |
| 3 Prevathon         | 0.43 lb/gal | 14 fl oz/a | 123.2 a  | 1.2 a    | 2.8 a    | 0.6 a    | 4.6 b    | 0.6 b    | 52.3 a    |
| 4 Untreated         |             |            | 121.0 a  | 2.4 a    | 4.0 a    | 1.6 a    | 8.0 a    | 4.6 a    | 51.7 a    |

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