

# University of Tennessee

## Demonstration for Potential Yield Loss from Kudzu Bugs in Soybeans, Test 1 - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: Pioneer 45T11 RR (planted 5-23-16)

Application: 8-2-16; High clearance sprayer (9.1 GPA, 40 PSI, 8001FF)

Rating: 25 sweeps per plot

Plot: 4 rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

Stink Bug total = Green + Brown, adults + immatures; GCW = Green cloverworm; Looper = Cabbage + Soybean

| Description         |             |           | Kudzu bug | Kudzu bug | Kudzu bug | Kudzu bug | Stink Bug | GCW      | Looper   | Yield     |
|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| Pest Stage Majority |             |           | Adult     | Immature  | Immature  | Ad + Imm  | Total     | Total    | Total    | Bu/A      |
| Rating Date         |             |           | 8/5/2016  | 8/5/2016  | 8/10/2016 | 9/1/2016  | 9/1/2016  | 9/1/2016 | 9/1/2016 | 9/27/2016 |
| Trt-Eval Interval   |             |           | 3 DA-A    | 3 DA-A    | 8 DA-A    | 30 DA-A   | 30 DA-A   | 30 DA-A  | 30 DA-A  |           |
| Treatment           | Formulation | Rate      |           |           |           |           |           |          |          |           |
| 1 Brigade           | 2 Lb/gal    | 5 fl oz/a | 5.8       | b 0.8     | b 0.8     | b 5.3     | a 4.3     | a 1.0    | a 11.0   | a 85.4    |
| 2 Untreated         |             |           | 27.8      | a 8.0     | a 18.8    | a 23.0    | a 4.3     | a 1.0    | a 14.5   | a 82.1    |

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