

# 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)