

University of Tennessee

Foliar Applications for Control of Kudzu Bugs in Soybeans - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: Pioneer 45T11 RR (planted 5-9-16)

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

Rating: 25 sweeps per plot

Plot: 5 rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

Looper = Cabbage + Soybean

Description			Kudzu bug	Kudzu bug	Looper	Kudzu bug	Yield
Pest Stage Majority			Adult	Immature	Total	Immature	Bu/A
Rating Date			8/5/2016	8/5/2016	8/5/2016	8/10/2016	9/28/2016
Trt-Eval Interval			3 DA-A	3 DA-A	3 DA-A	8 DA-A	
Treatment	Formulation	Rate					
1 Untreated			24.3 a	25.8 a	1.3 a	27.3 a	67.0 a
2 Karate Z NIS	2.08 Lb/gal 100 %	1.92 fl oz/a 0.25 % v/v	11.3 bc	3.0 c	0.5 a	1.8 b	69.0 a
3 Brigade NIS	2 Lb/gal 100 %	4.5 fl oz/a 0.25 % v/v	5.3 c	1.5 c	0.3 a	0.0 b	71.5 a
4 Asana XL NIS	0.67 Lb/gal 100 %	9 fl oz/a 0.25 % v/v	12.5 bc	2.3 c	0.8 a	1.0 b	72.5 a
5 Azera NIS	0.21 Lb/gal 100 %	3 pt/a 0.25 % v/v	16.0 ab	15.3 b	0.5 a	27.8 a	68.6 a
6 Pyganic NIS	0.1 Lb/gal 100 %	50 fl oz/a 0.25 % v/v	11.3 bc	8.8 b	0.8 a	24.8 a	64.5 a

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