

University of Tennessee

Evaluation of Application Threshold for Kudzu Bugs in Soybeans - Madison Co.

Location: West TN Research and Education Center - Jackson

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

Application: Appl A 7-13-16 (triggered on 1 adult KB/sweep); Appl B 7-18-16 (Automatic at soybean growth stage R3);

Appl C 8-10-16 (25 immature KB/sweep); 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

Note: no other insect pest was at treatment threshold for duration of test

Looper = Cabbage + Soybean

Description				Kudzu bug	Kudzu bug	Kudzu bug	Looper	Yield
Pest Stage Majority				Adult	Immature	Ad + Imm	Total	Bu/A
Rating Date				8/5/2016	8/5/2016	9/1/2016	9/1/2016	9/28/2016
Days after Application				18 DAB	18 DAB	22 DAC	22 DAC	
Treatment	Formulation	Rate	Appl					
1 Agressive Brigade	2 Lb/gal	5 fl oz/a	AC	24.8 a	7.0 a	1.5 b	4.3 a	71.9 a
2 Threshold Brigade	2 Lb/gal	5 fl oz/a	C	20.0 a	18.3 a	1.3 b	5.8 a	69.8 a
3 R3 Brigade	2 Lb/gal	5 fl oz/a	B	24.5 a	3.5 a	3.3 b	3.5 a	67.2 a
4 Untreated				16.3 a	14.0 a	21.5 a	7.5 a	68.2 a

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