

# University of Tennessee

## Foliar Applications for Control of Kudzu Bugs and Caterpillar Pests in Soybeans - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: HBK 4653 LL (planted 5-24-16)

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

Rating: 25 sweeps per plot

Plot: 4 rows x 40 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

BLB = Bean Leaf Beetle; GCW = Green Cloverworm; Looper = Cabbage + Soybean

Description			Kudzu bug	Kudzu bug	BLB	GCW	Looper	Kudzu bug	BLB	GCW	Looper	Yield
Pest Stage Majority			Adult	Immature	Total	Total	Total	Ad + Imm	Total	Total	Total	Bu/A
Rating Date			8/18/2016	8/18/2016	8/18/2016	8/18/2016	8/18/2016	8/22/2016	8/22/2016	8/22/2016	8/22/2016	9/28/2016
Trt-Eval Interval			2 DA-A	2 DA-A	2 DA-A	2 DA-A	2 DA-A	6 DA-A	6 DA-A	6 DA-A	6 DA-A	
Treatment	Formulation	Rate										
1 Untreated			11.3 a	50.0 a	17.0 a	4.7 a	5.7 a	41.3 a	11.3 a	2.3 a	7.8 a	57.5 a
2 Assail	30 %	1.6 oz/a	7.7 a	56.3 a	7.0 bc	6.3 a	4.3 a	27.8 a	6.5 abc	2.5 ab	6.8 ab	59.1 a
3 Assail	30 %	2.13 oz/a	7.0 a	54.0 a	6.0 bcd	3.0 a	6.0 a	28.8 a	7.3 ab	2.3 ab	8.0 a	59.1 a
4 Assail Bifenture	30 % 2 Lb/gal	1.25 oz/a 1.2 fl oz/a	1.3 a	21.0 b	6.7 bc	0.3 a	6.3 a	3.0 b	7.3 ab	0.0 b	2.8 d	63.0 a
5 Experimental	30 %	3.2 oz/a	0.7 b	13.3 bc	0.7 e	0.0 a	9.0 a	0.3 e	2.0 c	0.0 b	6.0 abc	60.3 a
6 Assail Bifenture	30 % 2 Lb/gal	2.13 oz/a 3.84 fl oz/a	0.3 b	2.7 c	0.7 e	0.0 a	5.0 a	1.8 bcd	3.0 bc	0.0 b	3.3 cd	61.7 a
7 Assail Bifenture	30 % 2 Lb/gal	1.5 oz/a 3.84 fl oz/a	0.0 b	4.3 c	2.3 de	0.0 a	4.7 a	1.0 cde	2.8 bc	0.0 b	4.8 a-d	64.0 a
8 Assail Bifenture	30 % 2 Lb/gal	1.5 oz/a 5.63 fl oz/a	0.0 b	8.0 bc	2.5 cde	0.0 a	4.5 a	0.3 e	2.0 c	0.0 b	3.7 bcd	61.8 a
9 Bifenture	2 Lb/gal	3.84 fl oz/a	0.0 b	0.7 c	3.3 cde	0.0 a	3.7 a	1.0 de	3.3 bc	0.0 b	5.8 a-d	58.2 a
10 Warrior	1 Lb/gal	2.56 fl oz/a	1.3 b	4.7 c	9.0 b	0.7 a	5.7 a	4.0 bc	8.3 a	3.3 a	4.3 a-d	58.4 a

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