

# University of Tennessee

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

Location: West TN Research and Education Center - Jackson

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

Application: 8-18-16; 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

GCW = Green Cloverworm; Looper = Soybean + Cabbage

Description			Kudzu Bug	GCW	Looper	Kudzu Bug	GCW	Looper	Yield
Pest Stage Majority			Total	Total	Total	Total	Total	Total	Bu/A
Rating Date			8/22/2016	8/22/2016	8/22/2016	8/26/2016	8/26/2016	8/26/2016	9/28/2016
Trt-Eval Interval			4 DA-A	4 DA-A	4 DA-A	8 DA-A	8 DA-A	8 DA-A	
Treatment	Formulation	Rate							
1 Karate Z	2.08 Lb/gal	1.96 fl oz/a	3.3 c	7.3 b	9.3 a	4.8 c	3.0 b	5.8 a	67.4 a
2 Besiege	1.25 Lb/gal	7 fl oz/a	4.5 c	0.3 c	2.3 cd	9.5 c	0.0 b	2.5 bc	70.3 a
3 Prevathon	0.43 Lb/gal	10 fl oz/a	42.5 ab	0.0 c	2.0 cd	58.8 a	0.0 b	1.5 c	65.8 a
4 Intrepid	2 Lb/gal	4 fl oz/a	48.0 a	2.5 bc	3.3 bcd	61.3 a	1.0 b	2.0 bc	70.8 a
5 Intrepid Edge	3 Lb/gal	4 fl oz/a	46.3 ab	0.3 c	0.8 d	60.8 a	0.0 b	1.0 c	68.4 a
6 Orthene	97 %	16 oz wt/a	31.3 b	0.0 c	6.5 ab	32.5 b	0.0 b	2.5 bc	68.2 a
7 BlackHawk	36 %	1.5 oz wt/a	46.8 a	0.0 c	4.8 bc	62.5 a	0.0 b	1.5 c	64.2 a
8 Steward	1.25 Lb/gal	8 fl oz/a	38.8 ab	0.0 c	2.3 cd	41.3 b	0.0 b	2.3 bc	66.3 a
9 Untreated			53.8 a	20.0 a	8.8 a	66.3 a	8.0 a	3.5 b	66.6 a

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