

University of Tennessee

Foliar Applications for Control of Multiple Insect Pests in Soybean - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: Pioneer 45T11 RR (planted 6-9-2017)

Plots: 4 Rows x 35 ft (RCBD, 4 Reps)

Rating: 25 Sweeps per plot

Application: 8-29-17; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

Investigators: Stewart, S. Steckel, Williams

KB = Kudzu bug; Looper = Soybean + cabbage; GSB = Green stink bug; BSB = Brown stink bug;

Total SB = Total Stink bugs = Green + Brown + Brown Marmorated, adults + immatures

Description			KB	KB	KB	Looper	GSB	GSB	BSB	SB	Yield
Pest Stage Majority			Adult	Imm	Ad + Imm	Total	Adult	Imm	Imm	Total	Bu/A
Rating Date			9/5/2017	9/5/2017	9/5/2017	9/5/2017	9/5/2017	9/5/2017	9/5/2017	9/5/2017	9/27/2017
Trt-Eval Interval			7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	29 DA-A
Treatment	Formulation	Rate									
1 Experimental		16 oz/a	0.3 cd	0.0 c	0.3 c	0.8 bc	0.0 a	0.0 a	0.0 a	0.0 d	53.1 a
2 Experimental		12 oz/a	0.0 d	1.0 c	1.0 c	0.8 bc	0.0 a	0.0 a	0.3 a	0.3 cd	54.4 a
3 Besiege	1.252 Lb/gal	7 fl oz/a	0.8 bcd	0.0 c	0.8 c	0.5 c	0.0 a	0.8 a	0.0 a	0.8 a-d	53.7 a
4 Prevathon	0.43 Lb/gal	10 fl oz/a	8.5 a	14.3 ab	22.8 a	2.3 ab	0.3 a	1.8 a	0.3 a	2.3 a	52.1 a
5 Steward	1.25 Lb/gal	8 fl oz/a	10.3 a	13.0 ab	23.3 a	0.5 c	0.3 a	1.3 a	0.0 a	1.5 bcd	53.9 a
6 Intrepid Edge	3 Lb/gal	4 fl oz/a	4.0 b	10.0 b	14.0 b	0.3 c	0.5 a	0.5 a	0.3 a	1.5 ab	55.7 a
7 Warrior II	2.08 Lb/gal	1.75 fl oz/a	0.3 cd	0.0 c	0.3 c	3.0 a	0.0 a	0.0 a	0.0 a	0.0 d	53.5 a
8 Acephate	90 %W/W	16 oz wt/a	3.8 bc	2.3 c	6.0 c	1.5 abc	0.3 a	0.8 a	0.0 a	1.0 abc	54.9 a
9 Endigo ZCX	2.71 Lb/gal	4 fl oz/a	0.0 d	0.5 c	0.5 c	2.3 ab	0.3 a	0.5 a	0.0 a	0.8 bcd	53.3 a
10 Untreated			9.5 a	16.5 a	26.0 a	2.3 ab	0.5 a	1.3 a	0.5 a	2.5 ab	52.6 a

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