

University of Tennessee

Foliar Applications for Insect Control in Soybean - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: Armor 46R42 RR (planted 6-9-2017)

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

Rating: 25 Sweeps per plot

Application: Appl A 9-14-17; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

Investigators: Stewart, S. Steckel, Williams

COC = Crop Oil Concentrate; KB = Kudzu bug; BLB = Bean leaf beetle; Looper = Soybean + cabbage;

Total SB = Stink bugs = Green + Brown + Red banded + Brown marmorated, adults + immatures

Description			KB	BLB	SB	Looper	KB	KB	Looper	SB
Pest Stage Majority			Total	Total	Total	Total	Adult	Immature	Total	Total
Rating Date			9/18/2017	9/18/2017	9/18/2017	9/18/2017	9/22/2017	9/22/2017	9/22/2017	9/22/2017
Trt-Eval Interval			4 DA-A	4 DA-A	4 DA-A	4 DA-A	8 DA-A	8 DA-A	8 DA-A	8 DA-A
Treatment	Formulation	Rate								
1 Untreated			62.5 a	2.3 a	5.5 b	0.3 a	47.8 a	45.0 a	1.0 a	5.5 a
2 Intrepid Edge COC	3 lb/gal	4 fl oz/a 1.0 % v/v	47.5 a	2.3 a	6.0 b	0.0 a	33.0 a	29.0 a	0.0 a	6.8 a
3 Brigade COC	2 lb/gal	2.6 fl oz/a 1.0 % v/v	8.0 b	0.0 a	2.0 c	0.5 a	11.3 b	4.0 b	0.5 a	4.8 a
4 Intrepid Edge Brigade COC	3 lb/gal 2 lb/gal	4 fl oz/a 2.6 fl oz/a 1.0 % v/v	8.0 b	0.8 a	3.0 bc	0.0 a	10.5 b	3.3 b	0.0 a	6.5 a
5 Prevathon COC	0.43 lb/gal	14 fl oz/a 1.0 % v/v	63.3 a	1.0 a	16.8 a	0.0 a	33.8 a	54.8 a	0.0 a	11.0 a

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