

University of Tennessee

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

Location: West TN Research and Education Center (Jackson)

Variety: AG 5233 RR (planted 6-16-2017)

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

Rating: 25 Sweeps per plot (9-19-2017); 2 drop cloths per plot (10 Rowft)(9-22-2017) due to soybean lodging

Application: Appl A 9-6-17; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

Investigators: Stewart, S. Steckel, Williams

COC = Crop Oil Concentrate; KB = Kudzu bug; Looper = Soybean + cabbage;

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

Description			SB Total	KB	Looper	KB	KB	Looper	SB
Pest Stage Majority				Total	Total	Adult	Immature	Total	Total
Rating Date			9/19/2017	9/19/2017	9/19/2017	9/22/2017	9/22/2017	9/22/2017	9/22/2017
Sample Size, Unit			25 Sweeps	25 Sweeps	25 Sweeps	10 Rowft	10 Rowft	10 Rowft	10 Rowft
Trt-Eval Interval			5 DA-A	5 DA-A	5 DA-A	8 DA-A	8 DA-A	8 DA-A	8 DA-A
Treatment	Formulation	Rate							
1 Untreated			7.3 a	62.8 a	1.8 ab	33.5 a	131.3 a	5.5 a	3.8 a
2 Intrepid Edge COC	3 lb/gal	5.0 fl oz/a 1.0 % v/v	2.0 bc	35.0 b	0.3 c	45.3 a	91.5 a	0.8 a	3.3 a
3 Brigade COC	2 lb/gal	2.6 fl oz/a 1.0 % v/v	0.5 c	3.8 c	2.8 a	8.0 b	3.0 b	5.5 a	2.8 a
4 Prevathon COC	0.43 lb/gal	14 fl oz/a 1.0 % v/v	3.8 b	46.0 ab	0.5 bc	19.0 a	95.3 a	1.0 a	8.8 a

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