

**University of Tennessee**

**Addition of Adjuvants with Besiege for Control of Insects in Soybean - Madison Co.**

Location: West TN Research and Education Center (Jackson)

Variety: Asgrow 47X6 Xtend (planted 6-8-2018)

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

Rating: 25 sweeps per plot

Application: 9-13-17; High clearance sprayer (9.4 GPA, 40 PSI, 8001FF)

Investigators: Stewart, S. Steckel, Williams

INSE = Insecticide; ADJ = Adjuvant; GSB = Green stink bug; BSB = Brown stink bug;

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

**Table 2. Test of Adjuvant Effects on Insect Control in Soybean with Besiege (WTREC)**

Description		TCAH	Green SB	Green SB	Brown SB	Brown SB	Total SB
Pest Stage		Total	Adult	Immature	Adult	Immature	Ad + Imm
Treatment	Rate	No./25 Swp (9/17/2018, 4 Days After Treatment)					
----	Untreated	21.00 a	6.75 a	7.75 a	1.00 a	0.25 a	16.00 a
INSE	Besiege 10 fl oz/a	5.75 c	0.50 de	0.00 b	0.50 a	0.25 a	1.25 de
INSE	Besiege 5 fl oz/a	12.75 b	2.00 bc	0.50 b	0.25 a	0.50 a	3.50 bc
INSE	Besiege 5 fl oz/a	9.25 bc	0.25 e	0.00 b	0.00 a	0.00 a	0.25 e
ADJ	Preference 0.25 % v/v						
INSE	Besiege 5 fl oz/a	9.75 bc	1.25 b-e	0.00 b	0.50 a	0.00 a	1.75 bcd
ADJ	Exper. 0.25 % v/v						
INSE	Besiege 5 fl oz/a	7.50 bc	2.50 b	0.50 b	0.50 a	0.50 a	4.00 b
ADJ	Exper. 0.25 % v/v						
INSE	Besiege 5 fl oz/a	7.75 bc	1.75 bcd	0.25 b	1.00 a	0.00 a	3.00 bcd
ADJ	Interlock 2 fl oz/a						
INSE	Besiege 5 fl oz/a	7.00 bc	1.25 b-e	0.25 b	0.50 a	0.00 a	2.00 bcd
ADJ	Exper. 0.25 % v/v						
ADJ	Interlock 2 fl oz/a						
INSE	Besiege 5 fl oz/a	8.75 bc	0.75 cde	0.00 b	0.50 a	0.00 a	1.50 cde
ADJ	Accudrop 3 fl oz/a						
INSE	Besiege 5 fl oz/a	8.25 bc	0.25 e	0.75 b	0.00 a	0.25 a	1.50 bcd
ADJ	Accudrop 3 fl oz/a						
ADJ	Exper. 0.25 % v/v						
INSE	Besiege 5 fl oz/a	8.75 bc	0.50 de	0.25 b	0.50 a	0.00 a	1.25 de
ADJ	Masterlock 6.4 fl oz/a						
Treatment Prob(F)		0.0027	0.0001	0.0001	0.7235	0.2503	0.0001

TCAH = three cornered alfalfa hopper; SB = stink bug

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