

# University of Tennessee

## Addition of Adjuvants with Insecticide for Control of Stink Bugs in Soybean - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: Asgrow 53X6 Xtend (planted 6-27-2018)

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

Description					GSB	GSB	BSB	BSB	Total SB
Pest Stage Majority					Adult	Immature	Adult	Immature	Ad + Imm
Rating Date					9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018
Trt-Eval Interval					5 DA-A	5 DA-A	5 DA-A	5 DA-A	5 DA-A
Treatment	Formulation	Rate							
1	Untreated				10.25 a	5.50 a	0.50 a	0.50 a	17.25 a
2	INSE Endigo ZC	2.06 lb/gal	5 fl oz/a		1.00 bc	0.75 c	0.50 a	0.25 a	2.50 bc
3	INSE Endigo ZC	2.06 lb/gal	3 fl oz/a		1.25 bc	1.00 bc	0.50 a	0.25 a	3.25 bc
4	INSE Endigo ZC ADJ Preference	2.06 lb/gal 100 %w/w	3 fl oz/a 0.25 % v/v		0.50 c	1.25 bc	0.00 a	0.00 a	1.75 bc
5	INSE Endigo ZC ADJ Experimental	2.06 lb/gal 100 %W/W	3 fl oz/a 0.25 % v/v		0.75 bc	0.75 c	0.00 a	0.00 a	1.50 c
6	INSE Endigo ZC ADJ Experimental	2.06 lb/gal 100 %W/W	3 fl oz/a 0.25 % v/v		0.75 bc	1.75 bc	0.00 a	0.00 a	2.50 bc
7	INSE Endigo ZC ADJ Interlock	2.06 lb/gal 100 %w/w	3 fl oz/a 2 fl oz/a		1.00 bc	0.25 c	0.25 a	0.00 a	1.75 bc
8	INSE Endigo ZC ADJ Experimental ADJ Interlock	2.06 lb/gal 100 %W/W 100 %w/w	3 fl oz/a 0.25 % v/v 2 fl oz/a		0.25 c	0.50 c	0.25 a	0.00 a	1.25 c
9	INSE Endigo ZC ADJ Accudrop	2.06 lb/gal 100 %w/w	3 fl oz/a 3 fl oz/a		2.00 b	2.75 b	0.00 a	0.00 a	4.75 b
10	INSE Endigo ZC ADJ Accudrop ADJ Experimental	2.06 lb/gal 100 %w/w 100 %W/W	3 fl oz/a 3 fl oz/a 0.25 % v/v		1.00 bc	0.00 c	0.25 a	0.00 a	1.25 c
11	INSE Endigo ZC ADJ Masterlock	2.06 lb/gal 100 %w/w	3 fl oz/a 6.4 fl oz/a		0.50 bc	1.00 bc	0.25 a	0.00 a	1.75 bc
Treatment Prob(F)					0.0001	0.0002	0.7283	0.1989	0.0001

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