

University of Tennessee

Foliar Insecticides for Control of Late-Season Soybean Pests - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: See below (planted 4-11-2019)

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

Application: 10-4-19; High clearance sprayer (9.3 GPA, 40 PSI, 8001FF)

Rating: 25 sweeps per plot

Investigators: Stewart, S. Steckel, Williams

Looper = Soybean + cabbage; VBC = Velvetbean caterpillar;

GSB = Green stink bug; BSB = Brown stink bug; Total SB = Green + Brown + Red banded + Brown marmorated, adults + immatures

Description			Kudzu bug	Looper	VBC	GSB	GSB	BSB	BSB	Total SB
Rating Date			10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019
Pest Stage Majority			Adult	Total	Total	Adult	Immature	Adult	Immature	Ad + Imm
Trt-Eval Interval			4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A	4 DA-A
Treatment	Formulation	Rate								
1 Savoy	1.8 lb/gal	5 fl oz/a	2.0 bc	0.0 a	0.0 b	0.3 a	0.3 a	0.3 a	0.0 a	1.0 b
2 Brigade	2 lb/gal	5 fl oz/a	0.8 c	0.0 a	0.0 b	0.0 a	0.0 a	0.0 a	0.0 a	0.0 b
3 Orthene	97 %	12 oz ai/a	6.8 b	0.0 a	0.0 b	0.0 a	0.0 a	0.0 a	0.0 a	0.0 b
4 Experimental			0.8 c	0.0 a	0.0 b	0.0 a	0.0 a	0.0 a	0.0 a	0.0 b
5 Mustang Max	0.8 lb/gal	3.2 fl oz/a	4.3 b	0.3 a	0.0 b	0.3 a	0.0 a	0.3 a	0.0 a	0.5 b
6 Untreated			27.5 a	0.5 a	1.8 a	0.5 a	0.8 a	0.5 a	1.5 a	3.8 a
Treatment Prob(F)			0.0001	0.5683	0.0009	0.3759	0.1468	0.4509	0.0815	0.0039

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

University of Tennessee

Novaluron for Control of Soybean Pests - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: Pioneer PA72BX44 (planted 5-22-2019)

Plots: 8 Rows x 40 ft (RCBD, 4 Reps)

Application: 7-29-19; High clearance sprayer (9.3 GPA, 40 PSI, 8001FF)

Rating: 25 sweeps per plot

Investigators: Stewart, S. Steckel, Williams

Total SB = Total Stink Bugs = Green + Brown + Brown marmorated + Southern green, adults + immatures

Description			Kudzu bug	Total SB	Kudzu bug	Total SB	Kudzu bug	Total SB	Kudzu bug	Total SB	Kudzu bug	Total SB	Yield
Pest Stage Majority			Immature	Total	Immature	Total	Immature	Total	Immature	Total	Immature	Total	Bu/acre
Rating Date			8/7/2019	8/7/2019	8/14/2019	8/14/2019	8/23/2019	8/23/2019	8/29/2019	8/29/2019	9/6/2019	9/6/2019	9/19/2019
Trt-Eval Interval			9 DA-A	9 DA-A	16 DA-A	16 DA-A	25 DA-A	25 DA-A	31 DA-A	31 DA-A	39 DA-A	39 DA-A	52 DA-A
Treatment	Formulation	Rate											
1	Diamond	0.83 lb/gal 6 fl oz/a	16.3 a	1.8 a	26.5 a	3.3 a	25.0 a	3.3 a	63.8 a	10.0 a	60.0 a	7.3 a	56.6 a
2	Untreated		17.8 a	0.5 a	42.0 a	1.5 a	33.0 a	6.3 a	97.0 a	11.3 a	108.8 a	9.8 a	56.7 a
Treatment Prob(F)			0.7834	0.3910	0.1249	0.3672	0.0759	0.1540	0.1635	0.4481	0.2575	0.6213	0.9333

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