

# University of Tennessee

## Evaluation of Foliar Applications for Tarnished Plant Bugs - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: PHY 330 W3FE (planted: 5-14-18)

Application: Appl A 7-20-18; High clearance sprayer (9.4 GPA, 40 PSI, 8001FF)

Rating: 2 drop cloths per plot (10 row ft)

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

Investigators: Stewart, S.Steckel, Williams

TPB= Tarnished Plant Bug; Total PB = Tarnished + Clouded; Total SB = Green + Brown Stink Bugs

Description				TPB	Total PB	Total SB	TPB	Total PB	Total SB	TPB	Total PB	Total SB	Yield
Pest Stage Majority				Immature	Adult + Imm.	Adult + Imm.	Immature	Adult + Imm.	Adult + Imm.	Immature	Adult + Imm.	Adult + Imm.	Seed Cotton
Rating Date				7/24/2018	7/24/2018	7/24/2018	7/27/2018	7/27/2018	7/27/2018	7/30/2018	7/30/2018	7/30/2018	10/4/2018
Trt-Eval Interval				4 DA-A	4 DA-A	4 DA-A	7 DA-A	7 DA-A	7 DA-A	10 DA-A	10 DA-A	10 DA-A	(lbs/acre)
Treatment	Formulation	Rate	Appl										
1 Transform	50 %	1.5 oz wt/a	A	7.25 bc	8.75 bc	0.00 a	9.50 b	11.00 b	0.50 a	12.50 b	14.00 b	0.50 a	4124.60 a
2 Transform	50 %	1 oz wt/a	A	9.00 bc	10.00 bc	0.50 a	11.00 b	12.00 b	0.75 a	13.75 b	14.25 b	0.75 a	4150.40 a
Orthene	97 %	0.5 lb/a	A										
3 Transform	50 %	1 oz wt/a	A	13.75 b	14.25 b	0.00 a	10.00 b	11.25 b	0.00 a	18.00 b	19.00 b	0.25 a	4196.00 a
Bidrin	8 lb/gal	4 fl oz/a	A										
4 Orthene	97 %	0.5 lb/a	A	7.75 c	8.25 c	0.00 a	9.50 b	10.00 b	0.00 a	11.00 b	11.50 b	0.00 a	4090.20 a
Bidrin	8 lb/gal	4 fl oz/a	A										
5 Untreated				46.00 a	48.75 a	1.50 a	71.00 a	72.00 a	3.00 a	45.75 a	46.75 a	0.75 a	3698.80 b
Treatment Prob(F)				0.0001	0.0001	0.1525	0.0001	0.0001	0.1429	0.0015	0.0031	0.8123	0.0398

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

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