

# University of Tennessee

## Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: PHY 490 WRF (planted: 5-16-17)

Application: Appl A 7-24-17; Appl B 8-7-17; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

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

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

Investigators: Stewart, S.Steckel, Williams

TPB= Tarnished Plant Bug; Total PB = Tarnished + Clouded

Description				TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	Seed cotton	
Pest Stage Majority				Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	lbs/acre	
Rating Date				7/28/2017	7/28/2017	8/1/2017	8/1/2017	8/4/2017	8/4/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	10/9/2017	
Trt-Eval Interval				4 DA-A	4 DA-A	8 DA-A	8 DA-A	11 DA-A	11 DA-A	4 DA-B	4 DA-B	4 DA-B	4 DA-B		
Treatment	Formulation	Rate	Appl												
1	Orthene	97 %	0.5 lb/a	AB	2.5 c	2.5 c	4.8 b	5.0 b	6.5 b	6.8 b	0.3 c	0.3 cd	3994.7	ab	
	Bidrin	8 lb/gal	4 fl oz/a	AB											
2	Orthene	97 %	0.5 lb/a	AB	5.3 bc	5.8 bc	5.0 b	5.5 b	7.5 b	7.5 b	1.3 bc	1.3 bcd	3832.6	abc	
	Couraze Max	4 lb/gal	2.3 fl oz/a	AB											
3	Bidrin	8 lb/gal	5 fl oz/a	AB	8.5 b	9.0 b	6.8 b	7.5 b	8.5 b	9.3 b	2.3 b	2.3 bc	3693.7	c	
	Couraze Max	4 lb/gal	2.3 fl oz/a	AB											
4	Orthene	97 %	1 lb/a	AB	4.5 bc	4.5 c	4.5 b	4.8 b	2.3 c	2.5 c	0.0 c	0.0 d	4072.1	a	
5	Bidrin	8 lb/gal	8 fl oz/a	AB	6.5 bc	6.5 bc	6.0 b	7.3 b	5.8 bc	5.8 bc	3.5 b	3.5 b	3717.3	bc	
6	Orthene	97 %	0.5 lb/a	AB	2.8 c	3.3 c	5.8 b	6.3 b	9.0 b	9.0 b	0.0 c	0.3 cd	3972.8	abc	
	Agri-Mek	0.15 lb/gal	12 fl oz/a	AB											
7	Transform	50 %	1.5 oz wt/a	AB	4.3 bc	4.3 c	3.8 b	4.0 b	5.0 bc	5.8 bc	0.8 bc	0.8 bcd	3734.5	bc	
8	Transform	50 %	1.0 oz wt/a	AB	4.0 c	4.0 c	4.5 b	4.5 b	7.0 b	7.3 b	1.0 bc	1.0 bcd	3864.4	abc	
	Orthene	97 %	0.5 lb/a	AB											
9	Untreated				23.5 a	24.0 a	30.0 a	32.0 a	34.3 a	36.0 a	29.0 a	31.3 a	2793.9	d	

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