

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: PHY 490 WRF (planted: 5-9-17)

Application: Appl A 7-20-17; Appl B 7-31-17; 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				7/24/2017	7/24/2017	7/28/2017	7/28/2017	8/4/2017	8/4/2017	8/9/2017	8/9/2017	8/9/2017	8/9/2017	10/2/2017								
Trt-Eval Interval				4 DA-A	4 DA-A	8 DA-A	8 DA-A	4 DA-B	4 DA-B	9 DA-B	9 DA-B	9 DA-B	9 DA-B									
Treatment	Formulation	Rate	Appl																			
1	Untreated			39.0	a	39.8	a	52.8	a	54.0	a	46.8	a	48.8	a	33.3	a	35.8	a	1722.3	c	
2	Transform	50 %	1.75 oz wt/a	AB	4.8	ef	4.8	ef	6.8	e	7.3	d	3.8	c	5.3	d	2.3	b	2.8	b	3205.8	a
3	Centric	40 %	2.0 oz wt/a	AB	7.8	de	8.8	d	26.5	cd	28.0	bc	27.8	ab	29.8	bc	28.3	a	30.0	a	2570.7	b
4	Vydate	3.77 lb/gal	12.8 fl oz/a	AB	8.5	d	9.3	d	28.8	bc	29.3	b	5.3	c	5.5	d	12.3	b	12.5	b	2756.5	b
5	Orthene	97 %	0.77 lb/a	AB	4.3	f	4.5	f	15.5	de	15.8	cd	4.0	c	4.5	d	4.3	b	4.5	b	3315.9	a
6	Brigade	2 lb/gal	6.4 fl oz/a	AB	22.5	b	22.5	b	39.5	b	40.3	b	41.5	a	41.8	ab	34.3	a	34.3	a	2544.2	b
7	Bidrin	8 lb/gal	6 fl oz/a	AB	7.8	de	8.0	de	14.0	e	14.3	d	4.5	c	4.8	d	5.3	b	5.3	b	3313.0	a
8	Couraze Max	4 lb/gal	1.95 fl oz/a	AB	22.3	b	23.5	ab	35.5	bc	36.0	b	41.8	a	44.8	a	25.5	a	27.5	a	2702.5	b
9	Carbine	50 %	2.85 oz wt/a	AB	15.0	bc	16.3	bc	28.5	bc	30.0	b	21.0	b	23.3	c	11.3	b	14.3	b	2761.5	b
10	Diamond	0.83 lb/gal	9 fl oz/a	AB	10.3	cd	10.8	cd	10.5	e	10.8	d	4.0	c	5.5	d	4.3	b	4.3	b	2837.2	b

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

Seed Cotton (lbs/acre)

