

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety:PHY 333 (planted: 5-15-16)

Application: Appl A 7-19-16; Appl B 7-26-16; High clearance sprayer (9.1 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	TPB	Total PB	TPB	TPB	Total PB	Seed Cotton								
Pest Stage Majority				Adult	Immature	Adult + Imm.	Adult	Immature	Adult + Imm.	lbs/acre								
Rating Date				7/25/2016	7/25/2016	7/25/2016	8/1/2016	8/1/2016	8/1/2016	10/3/2016								
Trt-Eval Interval				6 DA-A	6 DA-A	6 DA-A	6 DA-B	6 DA-B	6 DA-B									
Treatment	Formulation	Rate	Appl															
1	Orthene	97 %	0.5 lb/a	AB	0.0	a	22.0	cd	22.0	cd	0.0	a	7.8	b	7.8	b	3337.5	bc
	Diamond	0.83 lb/gal	6 fl oz/a	AB														
2	Dimethoate	4 lb/gal	16 fl oz/a	A	1.5	a	27.0	bc	28.5	bc	0.0	a	57.3	a	57.3	a	3083.9	c
3	Bidrin	8 lb/gal	8 fl oz/a	AB	1.3	a	18.5	de	19.8	de	0.0	a	6.0	b	6.0	bc	3615.3	ab
4	Orthene	97 %	1 lb/a	AB	0.3	a	34.8	b	35.0	b	0.0	a	7.5	b	7.5	bc	3812.9	a
5	Transform	50 %	1.5 oz wt/a	AB	1.0	a	13.3	e	14.3	e	0.3	a	2.3	c	2.5	c	3318.4	bc
6	Orthene	97 %	0.75 lb/a	AB	0.8	a	20.0	cd	20.8	cde	0.0	a	4.0	bc	4.0	bc	3588.2	ab
7	Untreated				0.8	a	59.5	a	60.3	a	0.3	a	95.8	a	96.5	a	2967.4	c

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

Graph Below

Total Plant Bugs(10 row ft)

