

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: DP 1518 B2XF (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 40 ft (RCBD, 4 Reps)

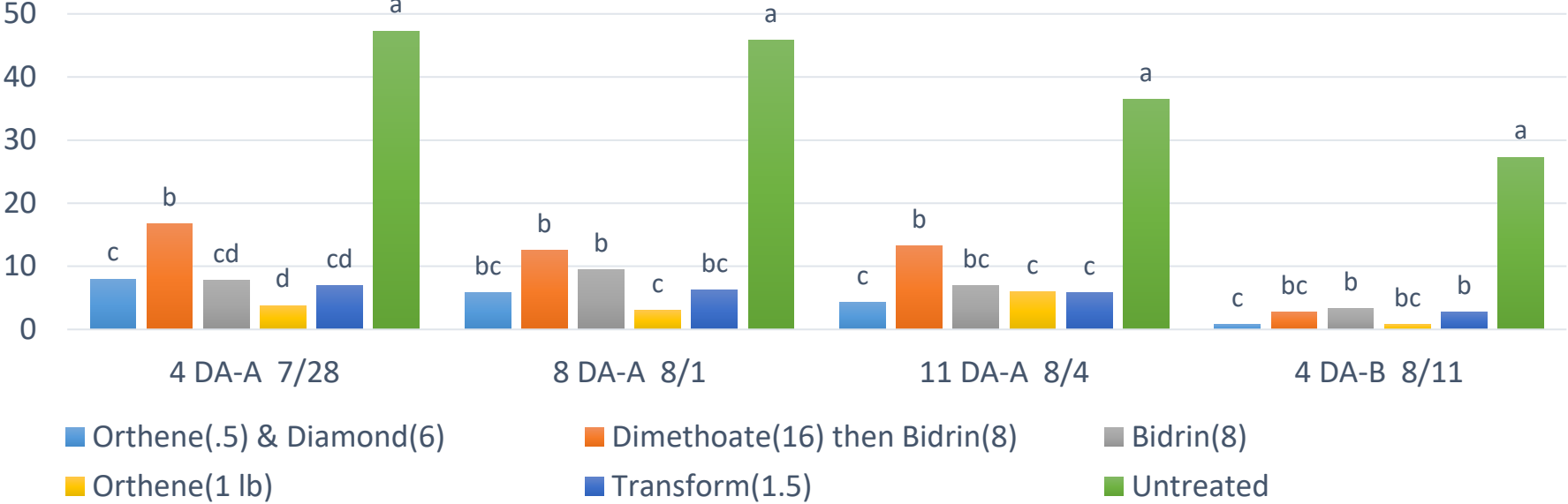
Investigators: Stewart, S.Steckel, Williams

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

Description				TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	Seed cotton						
Pest Stage Majority				Immature	Adult + Imm.	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	8/11/2017	8/11/2017	10/12/2017						
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	4 DA-B	4 DA-B							
Treatment	Formulation	Rate	Appl																			
1	Orthene	97 %	0.5 lb/a	AB	7.5	c	8.0	c	5.8	bc	5.8	bc	4.0	c	4.3	c	0.8	c	0.8	c	3474.3	ab
	Diamond	0.83 lb/gal	6 fl oz/a	AB																		
2	Dimethoate	4 lb/gal	16 fl oz/a	A	15.8	b	16.8	b	9.8	b	12.5	b	12.8	b	13.3	b	2.8	bc	2.8	bc	3333.2	ab
	Bidrin	8 lb/gal	8 fl oz/a	B																		
3	Bidrin	8 lb/gal	8 fl oz/a	AB	7.5	c	7.8	cd	8.3	b	9.5	b	6.0	c	7.0	bc	3.3	b	3.3	b	3199.9	b
4	Orthene	97 %	1 lb/a	AB	3.8	c	3.8	d	2.0	c	3.0	c	3.0	c	6.0	c	0.8	bc	0.8	bc	3731.5	a
5	Transform	50 %	1.5 oz wt/a	AB	7.0	c	7.0	cd	5.0	bc	6.3	bc	5.0	c	5.8	c	2.8	b	2.8	b	3359.0	ab
6	Untreated				46.8	a	47.3	a	44.0	a	45.8	a	33.5	a	36.5	a	27.0	a	27.3	a	2515.2	c

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

Total Plant Bugs / 10 Row-ft



Seed Cotton (lbs/acre)

