

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 7-20-17; 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	10/12/2017
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				24.8 a	26.0 a	27.8 a	28.8 a	30.8 a	31.5 a	31.0 a	31.5 a	31.5 a	2955.6 b	
2 Bidrin	8 lba/gal	8 oz/a	A	6.5 b	7.0 b	7.8 b	7.8 b	1.8 b	1.8 b	5.5 b	5.5 b	5.5 b	3723.8 a	
Bidrin	8 lba/gal	8 oz/a	B											
3 Diamond	0.83 lba/gal	6 oz/a	A	6.8 b	7.3 b	9.3 b	9.3 b	1.8 b	1.8 b	3.5 b	3.5 b	3.5 b	3617.1 a	
Bidrin	8 lba/gal	8 oz/a	B											
Transform	50 %	0.75 oz wt/a	B											
4 Diamond	0.83 lba/gal	6 oz/a	A	11.8 b	11.8 b	6.0 b	6.0 b	0.5 b	0.5 b	0.5 c	0.5 c	0.5 c	3642.9 a	
Bidrin	8 lba/gal	6.4 oz/a	B											
Discipline	2 lba/gal	6.4 fl oz/a	B											
5 Bidrin	8 lba/gal	6.4 oz/a	A	6.8 b	6.8 b	6.8 b	6.8 b	1.0 b	1.0 b	1.8 bc	1.8 bc	1.8 bc	3462.3 a	
Diamond	0.83 lba/gal	6 oz/a	A											
Bidrin	8 lba/gal	6.4 oz/a	B											
Discipline	2 lba/gal	6.4 fl oz/a	B											
6 Bidrin	8 lba/gal	6.4 oz/a	A	4.3 b	4.5 b	11.0 b	11.0 b	0.8 b	0.8 b	2.0 bc	2.0 bc	2.0 bc	3527.6 a	
Diamond	0.83 lba/gal	6 oz/a	A											
Bidrin	8 lba/gal	8 oz/a	B											
Transform	50 %	0.75 oz wt/a	B											
7 Experimental				28.5 a	29.3 a	26.5 a	27.8 a	22.3 a	22.8 a	16.3 a	17.0 a	17.0 a	2907.4 b	

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