

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: DP1522 B2XF (planted: 5-19-16)

Application: Appl A 7-19-16; Appl B 7-22-16; 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

Note: Received 0.8 inches of rain approximately 2 hours after Appl. A. Also received rain approximately 5 hours after Appl. B.

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

Description					TPB	TPB	Total PB	TPB	TPB	Total PB
Pest Stage Majority					Adult	Immature	Adult + Imm.	Adult	Immature	Adult + Imm.
Rating Date					7/22/2016	7/22/2016	7/22/2016	7/27/2016	7/27/2016	7/27/2016
Trt-Eval Interval					3 DA-A	3 DA-A	3 DA-A	5 DA-B	5 DA-B	5 DA-B
Treatment	Formulation	Rate	Appl							
1 Orthene	97 %	0.5 lb/a	AB	0.0 a	20.0 a	20.2 a	0.0 c	5.8 c	5.8 c	
Bidrin	8 lb/gal	4 fl oz/a	AB							
2 Orthene	97 %	0.5 lb/a	AB	0.2 a	15.6 a	15.8 a	0.4 bc	9.2 bc	9.6 bc	
Admire Pro	4.6 lb/gal	2 fl oz/a	AB							
3 Bidrin	8 lb/gal	5 fl oz/a	AB	0.6 a	11.8 a	12.4 a	0.4 bc	11.4 b	11.8 b	
Admire Pro	4.6 lb/gal	2 fl oz/a	AB							
4 Orthene	97 %	1 lb/a	AB	0.8 a	10.0 a	10.8 a	0.0 c	6.4 c	6.4 c	
5 Bidrin	8 lb/gal	8 fl oz/a	AB	0.4 a	13.2 a	13.6 a	0.8 abc	14.4 b	15.2 b	
6 Orthene	97 %	0.5 lb/a	AB	0.6 a	7.4 a	8.0 a	1.0 ab	11.0 b	12.0 b	
Agri-Mek	0.15 lb/gal	12 fl oz/a	AB							
7 Transform	50 %	1.5 oz wt/a	AB	0.6 a	13.2 a	13.8 a	0.0 c	6.0 c	6.0 c	
8 Sivanto	1.67 lb/gal	7 fl oz/a	AB	0.6 a	18.2 a	19.0 a	1.4 a	36.2 a	37.6 a	
9 Untreated				1.0 a	18.2 a	19.2 a	0.0 c	53.4 a	53.4 a	

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

Graph below

Total Plant Bugs (10 row ft)

