

# University of Tennessee

## Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: DP 1441 (planted: 5-16-17)

Application: Appl B 7-14-17; Appl C 7-21-17; Appl D 8-2-17; Appl E 8-16-17; 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	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.	Immature	Adult + Imm.	Immature	Adult + Imm.	lbs/acre
Rating Date				7/20/2017	7/20/2017	7/26/2017	7/26/2017	8/1/2017	8/1/2017	8/7/2017	8/7/2017	8/16/2017	8/16/2017	9/25/2017						
Trt-Eval Interval				6 DA-B	6 DA-B	5 DA-C	5 DA-C	11 DA-C	11 DA-C	5 DA-D	5 DA-D	14 DA-D	14 DA-D							
Treatment	Formulation	Rate	App																	
1 No foliar insecticides Acceleron FI			A	14.3 a	14.8 a	18.3 a	19.3 a	24.5 a	27.5 a	27.5 a	31.5 a	16.5 a	17.0 a	1855.1 a						
2 Season Long Acceleron FI			A	10.0 a	10.0 a	2.0 b	2.0 b	9.5 b	10.0 b	3.5 b	3.5 b	17.8 a	19.0 a	2503.9 a						
Couraze Max	4 lb/gal	1.5 fl oz/a	B																	
Transform	50 %	1.5 oz wt/a	C																	
Orthene	97 %	0.67 lb/a	D																	
Brigade	2 lb/gal	5 fl oz/a	D																	
Orthene	97 %	0.67 lb/a	E																	
Brigade	2 lb/gal	5 fl oz/a	E																	
3 Prebloom Only Acceleron FI			A	11.3 a	12.8 a	20.5 a	21.5 a	26.3 a	28.5 a	20.3 a	22.3 a	10.5 a	12.0 a	1906.2 a						

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