

University of Tennessee

Evaluation of Different Spray Intervals for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

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

Application: Appl A 7-22-16; Appl B 7-26-16; Appl C 7-27-16; Appl D 7-29-16; Appl E 8-1-16 (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 Adult	TPB Immature	Total PB Adult + Imm.	Seed Cotton lbs/acre
Rating Date					8/5/2016	8/5/2016	8/5/2016	10/3/2016
Sample Size, Unit					10 Row-ft	10 Row-ft	10 Row-ft	1 acre
Treatment	Formulation	Rate	Appl	Spray Interval				
1 Orthene	97 %	0.75 lb/a	AB	4 days	0.3 a	7.0 c	7.3 c	3167.8 a
2 Orthene	97 %	0.75 lb/a	AC	5 days	0.5 a	6.5 c	7.0 c	3213.1 a
3 Orthene	97 %	0.75 lb/a	AD	7 days	0.0 a	5.8 c	5.8 c	3063.8 a
4 Orthene	97 %	0.75 lb/a	AE	10 days	0.3 a	2.8 c	3.0 c	2983.7 a
5 Orthene	97 %	0.75 lb/a	A		0.3 a	37.8 b	38.0 b	2951.6 a
Transform	50 %	2.25 oz wt/a	A					
6 Untreated					0.0 a	88.8 a	88.8 a	2269.8 b

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