

University of Tennessee

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

Location: West TN Research and Education Center (Jackson)

Variety: DP1518 B2XF (planted: 5-16-17)

Application: Appl A 7-21-17; Appl B 7-25-17; Appl C 7-28-17; Appl D 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 40 ft (RCBD, 4 Reps)

Investigators: Stewart, S.Steckel, Williams

Description				Total TPB	Total TPB	Total TPB	Total TPB	Seed Cotton
Pest Stage Majority				Adult + Imm.	Adult + Imm.	Adult + Imm.	Adult + Imm.	lbs/acre
Rating Date				7/25/2017	7/28/2017	7/31/2017	8/4/2017	10/12/2017
Trt-Eval Interval				4 DA-A	3 DA-B	3 DA-C	4 DA-D	
Treatment	Rate	Appl.	Interval					
1 Untreated				29.3 a	28.3 a	38.8 a	32.5 a	2652.8 a
2 Transform WG	1.75 oz wt/a	A	N/A	7.8 b	4.3 bcd	14.8 b	11.3 b	3026.1 a
3 Transform	2.25 oz wt/a	A						
Orthene 97SP	0.75 lb/a	A	N/A	2.0 c	4.0 cd	8.8 b	9.3 b	3178.4 a
4 Transform WG	1.75 oz wt/a	A						
Orthene 97SP	0.75 lb/a	B	4 Days	6.8 b	2.5 d	1.3 c	1.8 c	3024.0 a
5 Transform WG	1.75 oz wt/a	A						
Orthene 97SP	0.75 lb/a	C	7 Days	5.0 bc	5.8 bc	2.0 c	0.5 c	3384.0 a
6 Transform WG	1.75 oz wt/a	A						
Orthene 97SP	0.75 lb/a	D	10 Days	5.8 bc	8.3 b	10.5 b	1.3 c	3339.0 a

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