

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: PHY 333 WRF (planted: 5-15-16)

Application: Appl A 7-19-16; Appl B 7-26-16; 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

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

Description				TPB Adult	TPB Immature	Total PB Adult + Imm.	TPB Adult	TPB Immature	Total PB Adult + Imm.	Seed Cotton lbs/acre
Rating Date				7/25/2016	7/25/2016	7/25/2016	8/1/2016	8/1/2016	8/1/2016	10/3/2016
Trt-Eval Interval				6 DA-A	6 DA-A	6 DA-A	6 DA-B	6 DA-B	6 DA-B	
Treatment	Formulation	Rate	Appl							
1 Untreated				0.3 a	98.0 a	98.3 a	0.0 a	94.5 a	95.0 a	3283.5 b
2 Strafer	70 %	3.0 oz wt/a	AB	0.0 a	21.3 b	21.3 bc	0.0 a	9.3 b	9.3 b	3870.4 a
3 Strafer	70 %	3.5 oz wt/a	AB	0.3 a	25.0 b	25.3 b	0.0 a	10.8 b	10.8 b	3952.4 a
4 Strafer	70 %	3.0 oz wt/a	AB	0.0 a	16.8 bc	16.8 bc	0.3 a	4.5 b	4.8 b	3829.6 a
Diamond	0.83 lb/gal	6.0 oz/a	AB							
5 Transform	50 %	1.75 oz wt/a	AB	0.0 a	17.5 bc	17.5 bc	0.0 a	16.8 b	16.8 b	4009.0 a
6 Transform	50 %	1.75 oz wt/a	AB	0.8 a	11.5 c	12.3 c	0.0 a	2.3 b	2.3 b	3819.7 a
Diamond	0.83 lb/gal	6.0 oz/a	AB							
7 Orthene	97.4 %	0.75 lb/a	AB	0.3 a	23.8 b	24.0 b	0.0 a	11.8 b	11.8 b	3779.9 a
8 Orthene	97.4 %	0.75 lb/a	AB	0.3 a	19.5 bc	19.8 bc	0.0 a	0.8 b	0.8 b	3838.9 a
Diamond	0.83 lb/gal	6.0 oz/a	AB							

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

Graph below

Total Plant Bugs (10 row ft)

