

University of Tennessee

Foliar Applications for Tarnished Plant Bug - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: PHY 490 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		TPB		Total PB		TPB		TPB		Total PB		Seed Cotton		
Rating Date				Adult		Immature		Adult + Imm.		Adult		Immature		Adult + Imm.		lbs/acre		
Trt-Eval Interval				7/25/2016		7/25/2016		7/25/2016		8/1/2016		8/1/2016		8/1/2016		10/3/2016		
				6 DA-A		6 DA-A		6 DA-A		6 DA-B		6 DA-B		6 DA-B				
Treatment	Formulation	Rate	Appl															
1	UNTREATED			1.0	a	68.3	a	69.3	a	0.0	a	50.3	a	50.3	a	1862.9	d	
2	BIDRIN	8 lba/gal	8 oz/a	A	0.0	a	23.0	cd	23.0	cd	0.0	a	8.0	b	8.0	b	2483.2	abc
	BIDRIN	8 lba/gal	8 oz/a	B														
3	DIAMOND	0.83 lba/gal	6 oz/a	A	0.0	a	44.3	ab	44.3	ab	0.0	a	7.0	bc	7.0	bc	2456.7	abc
	BIDRIN	8 lba/gal	8 oz/a	B														
	TRANSFORM	50 %	0.75 oz wt/a	B														
4	DIAMOND	0.83 lba/gal	6 oz/a	A	0.0	a	29.5	bc	29.5	bc	0.0	a	4.5	bc	4.5	bc	2315.1	bc
	BIDRIN	8 lba/gal	6.4 oz/a	B														
	DISCIPLINE	2 lba/gal	6.4 fl oz/a	B														
5	BIDRIN	8 lba/gal	6.4 oz/a	A	0.0	a	31.5	bc	31.5	bc	0.0	a	10.3	bc	10.3	bc	2543.2	ab
	DIAMOND	0.83 lba/gal	6 oz/a	A														
	BIDRIN	8 lba/gal	6.4 oz/a	B														
	DISCIPLINE	2 lba/gal	6.4 fl oz/a	B														
6	BIDRIN	8 lba/gal	6.4 oz/a	A	0.5	a	21.8	cd	22.3	cd	0.0	a	5.0	bc	5.0	bc	2679.9	a
	DIAMOND	0.83 lba/gal	6 oz/a	A														
	BIDRIN	8 lba/gal	8 oz/a	B														
	TRANSFORM	50 %	0.75 oz wt/a	B														

Continued

Description					TPB	TPB	Total PB	TPB	TPB	Total PB	Seed Cotton
Rating Date					Adult	Immature	Adult + Imm.	Adult	Immature	Adult + Imm.	lbs/acre
Trt-Eval Interval					7/25/2016	7/25/2016	7/25/2016	8/1/2016	8/1/2016	8/1/2016	10/3/2016
					6 DA-A	6 DA-A	6 DA-A	6 DA-B	6 DA-B	6 DA-B	
Treatment	Formulation	Rate	Appl								
7	BIDRIN	8 lba/gal	8 oz/a	A	0.3 a	14.8 d	15.0 d	0.0 a	3.3 c	3.3 c	2656.3 a
	TRANSFORM	50 %	0.75 oz wt/a	A							
	BIDRIN	8 lba/gal	8 oz/a	B							
	TRANSFORM	50 %	0.75 oz wt/a	B							
8	BIDRIN	8 lba/gal	6.4 oz/a	A	0.0 a	24.8 c	24.8 cd	0.0 a	5.3 bc	5.3 bc	2689.2 a
	TRANSFORM	50 %	0.75 oz wt/a	A							
	BIDRIN	8 lba/gal	6.4 oz/a	B							
	DISCIPLINE	2 lba/gal	6.4 fl oz/a	B							
9	SIVANTO	1.67 lba/gal	7 oz/a	A	1.3 a	54.5 a	55.8 a	0.0 a	50.5 a	50.5 a	2262.1 c
	SIVANTO	1.67 lba/gal	7 oz/a	B							

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