

University of Tennessee

Diamond Return on Investment Foliar - Madison Co.

Location: West TN Research and Education Center (Jackson)

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

Application: Appl A 7-10-17; Appl B 7-21-17; Appl C 8-2-17 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				Total PB	Total PB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Total PB	TPB	Seed Cotton
Pest Stage Majority				Adult + Imm.	Adult + Imm.	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	Adult + Imm.	Immature	lbs/acre
Rating Date				7/14/2017	7/20/2017	7/26/2017	8/1/2017	8/1/2017	8/7/2017	8/7/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	9/25/2017
Trt-Eval Interval				4 DA-A	10 DA-A	5 DA-B	11 DA-B	11 DA-B	5 DA-C	5 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C	
Treatment	Formulation	Rate	App													
1	Centric	40 %	1.75 oz wt/a	A	1.3 b	11.8 a	5.5 a	14.0 a	14.5 a	6.0 a	6.5 a	12.0 a	12.3 a	2459.7	a	
	Transform	50 %	1.5 oz wt/a	B												
	Orthene	97 %	0.67 lb/a	C												
	Brigade	2 lb/gal	5 fl oz/a	C												
2	Centric	40 %	1.75 oz wt/a	A	1.3 b	7.0 a	4.3 a	11.3 a	11.5 a	3.3 a	3.5 a	8.3 a	8.3 a	2552.1	a	
	Diamond	0.83 lb/gal	6 fl oz/a	A												
	Transform	50 %	1.5 oz wt/a	B												
	Orthene	97 %	0.67 lb/a	C												
	Brigade	2 lb/gal	5 fl oz/a	C												
3	Centric	40 %	1.75 oz wt/a	A	2.3 a	7.5 a	3.0 a	9.0 a	9.5 a	1.0 a	1.0 a	5.0 a	5.0 a	2705.4	a	
	Diamond	0.83 lb/gal	6 fl oz/a	A												
	Transform	50 %	1.5 oz wt/a	B												
	Diamond	0.83 lb/gal	6 fl oz/a	B												
	Orthene	97 %	0.67 lb/a	C												
	Brigade	2 lb/gal	5 fl oz/a	C												

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

Total Plant Bugs / 10 Row-ft

