

University of Tennessee

Foliar Applications for Caterpillar Control in Cotton - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: DP 1441 RF (planted: 5-31-16)

Application: Appl A 8-5-16; Appl B 8-11-16; High clearance sprayer (9.1 GPA, 40 PSI, 8001FF)

Plots: 4 Rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S.Steckel, Williams

Dam. Sq.= Damaged Squares; Dam. Bolls = Damaged bolls; CEW = bollworm larvae; FAW = fall armyworm larvae

Description				Dam. Sq.	Dam. Bolls	CEW	Dam. Sq.	Dam. Bolls	CEW	FAW	Dam. Bolls	CEW	FAW	Seed Cotton
Rating Date				Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	lbs/acre
Sample Size, Unit				8/10/2016	8/10/2016	8/10/2016	8/15/2016	8/15/2016	8/15/2016	8/15/2016	8/25/2016	8/25/2016	8/25/2016	10/12/2016
Trt-Eval Interval				20 Plant	20 Plant	20 Plant	20 Plant	20 Plant	20 Plant	20 Plant	50 Boll	50 Boll	50 Boll	
				5 DA-A	5 DA-A	5 DA-A	4 DA-B	4 DA-B	4 DA-B	4 DA-B	14 DA-B	14 DA-B	14 DA-B	
Treatment	Formulation	Rate	Appl											
1	Helicovex	100 %	2.5 fl oz/a AB	10.8 a	4.0 a	3.8 a	22.5 a	11.0 a	5.8 a	3.0 a	13.5 a	0.5 a	3.5 a	2639.1 bc
2	Helicovex	100 %	2.5 fl oz/a A	14.0 a	4.3 a	5.3 a	21.0 a	12.5 a	6.8 a	2.0 a	6.3 b	0.5 a	1.5 b	2857.2 ab
	Karate Z	2.08 lb/gal	1.96 fl oz/a A											
3	Besiege	1.252 lb/gal	8 fl oz/a A	6.0 a	1.3 a	0.8 b	4.3 c	1.3 b	1.0 b	0.0 a	1.0 c	0.0 a	0.0 c	3014.8 a
4	Karate Z	2.08 lb/gal	1.96 fl oz/a A	15.8 a	2.5 a	3.8 a	12.0 b	7.5 a	1.5 b	1.0 a	5.3 b	0.5 a	0.8 bc	2781.2 ab
5	Untreated			10.5 a	4.0 a	3.8 a	16.5 ab	9.3 a	2.8 ab	1.0 a	8.8 b	2.0 a	1.3 b	2502.8 c

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

Seed Cotton Yield

