

University of Tennessee

Foliar Options in Cotton for Caterpillar Pests - Late Planted - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: DP 1441 RR (planted: 6-6-17)

Application: 8-9-17; High clearance sprayer (9.2 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; Dam. Flo. = Damaged Flowers; Total Dam. = Total Damage; CEW = bollworm larvae;

Description			Dam. Sq.	Dam. Bolls	Dam. Flo.	Total Dam.	Total CEW	Dam. Sq.	Dam. Bolls	Dam. Flo.	Total Dam.	Total CEW
Pest Stage Majority			Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Rating Date			8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017
Sample Size, Unit			25 Square	25 Boll	25 Flower	75 Fruit	75 Fruit	25 Square	25 Boll	25 Flower	75 Fruit	75 Fruit
Trt-Eval Interval			7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A
Treatment	Formulation	Rate										
1 Brigade Orthene	2 lb/gal 97 %	6 fl oz/a 12 oz wt/a	3.3 b	2.3 a	1.8 a	7.3 c	1.3 c	4.8 ab	2.8 bc	5.3 ab	12.8 b	4.3 bc
2 Prevathon	0.43 lb/gal	16 fl oz/a	2.3 b	3.0 a	1.3 a	6.5 c	3.0 bc	2.5 b	1.5 c	1.5 c	5.5 c	1.5 c
3 Intrepid Edge	3 lb/gal	6 fl oz/a	4.3 b	5.0 a	3.0 a	12.3 b	6.0 ab	3.0 b	5.0 ab	4.8 b	12.8 b	6.8 ab
4 Untreated			12.5 a	7.5 a	3.5 a	23.5 a	7.0 a	11.0 a	6.3 a	7.5 a	24.8 a	8.0 a

continued

Description			Dam. Sq.	Dam. Bolls	Dam. Flo.	Total Dam.	Total CEW	Dam. Bolls	Seed Cotton
Pest Stage Majority			Total	Total	Total	Total	Total	Total	lbs/acre
Rating Date			8/23/2017	8/23/2017	8/23/2017	8/23/2017	8/23/2017	8/25/2017	10/24/2017
Sample Size, Unit			25 Square	25 Boll	25 Flower	75 Fruit	75 Fruit	50 Boll	
Trt-Eval Interval			14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	16 DA-A	
Treatment	Formulation	Rate							
1 Brigade Orthene	2 lb/gal 97 %	6 fl oz/a 12 oz wt/a	2.0 a	3.5 a	2.0 a	7.5 b	2.5 b	3.8 b	2205.0 a
2 Prevathon	0.43 lb/gal	16 fl oz/a	1.5 a	0.8 a	0.0 a	2.3 c	0.3 c	1.5 c	2518.6 a
3 Intrepid Edge	3 lb/gal	6 fl oz/a	0.8 a	3.0 a	1.5 a	5.3 bc	0.8 bc	4.0 b	2351.5 a
4 Untreated			5.3 a	5.8 a	2.0 a	13.0 a	5.0 a	8.0 a	1311.4 b

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

Seed Cotton (lbs/acre)

