

# University of Tennessee

## Bt Traits Alone or with Prevathon for Caterpillar Pests in Cotton - Late planted - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: (planted: 6-12-18)

Appl A 6-12-18 (at planting); Appl B 8-21-18; High clearance sprayer (9.4 GPA, 40 PSI, 8001FF)

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

Investigators: Stewart, S.Steckel, Williams

Dam. Bolls = Damaged bolls; CEW = bollworm larvae

Description				Dam bolls	CEW	CEW	CEW	Seed cotton
Pest Stage Majority				Total	Small	Large	Sm + Lg	
Rating Date				9/4/2018	9/4/2018	9/4/2018	9/4/2018	10/8/2018
Sample Size, Unit				50 Boll	50 Boll	50 Boll	50 Boll	lbs/acre
Trt-Eval Interval				14 DA-B	14 DA-B	14 DA-B	14 DA-B	
Treatment	Formulation	Rate	Appl					
1 PHY 425 RF Untreated			A B	15.50 a	1.00 a	1.50 a	2.50 a	1664 c
2 PHY 425 RF Prevathon	0.43 lb/gal	16 fl oz/a	A B	4.00 b	0.25 b	0.50 ab	0.75 c	2775 a
3 PHY444 WRF Untreated			A B	4.75 b	0.00 b	1.50 a	1.50 ab	1627 c
4 PHY444 WRF Prevathon	0.43 lb/gal	16 fl oz/a	A B	0.75 c	0.00 b	0.00 b	0.00 d	2450 a
5 DP1646 B2XF Untreated			A B	1.50 c	0.00 b	0.75 ab	0.75 bc	2058 b
6 DP1646 B2XF Prevathon	0.43 lb/gal	16 fl oz/a	A B	0.75 c	0.00 b	0.00 b	0.00 d	2788 a
Treatment Prob(F)				0.0001	0.0301	0.0286	0.0023	0.0001

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

