

# University of Tennessee

## Bt Traits in Cotton for Caterpillar Pests - Early Planted - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: (planted: 5-16-16)

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; Dam. Flo. = Damaged Flowers

Description		Dam. Sq.		Dam. Bolls		CEW		Dam. Sq.		Dam. Bolls		Dam. Flo.		CEW		Dam. Sq.		Dam. Bolls		CEW		Dam. Bolls		CEW		Seed Cotton
		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	lbs/acre
Rating Date		8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/15/2016	8/15/2016	8/15/2016	8/15/2016	8/15/2016	8/15/2016	8/19/2016	8/19/2016	8/19/2016	8/19/2016	8/24/2016	8/24/2016	8/24/2016	8/24/2016	8/24/2016	8/24/2016	8/24/2016	9/29/2016
Sample Size, Unit		25 Square	25 Boll	50 Fruit	25 Square	25 Boll	50 Fruit	25 Square	25 Square	25 Boll	75 Fruit	25 Square	25 Boll	75 FRUIT	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	50 Boll	1 Acre
Plant-Eval Interval		85 DP-1	85 DP-1	85 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1	91 DP-1	95 DP-1	95 DP-1	95 DP-1	95 DP-1	95 DP-1	95 DP-1	95 DP-1	100 DP-1	100 DP-1	100 DP-1	100 DP-1	100 DP-1	100 DP-1	136 DP-1	
Treatment	App																									
1	PHY 496W3RF	A	0.3 b	0.0 b	0.0 a	0.0 a	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 a	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 a	0.0 b	0.0 b	0.0 a	0.0 a	4037.5 a
2	PHY 499 WRF	A	0.5 b	0.5 b	0.3 a	1.3 b	0.8 b	0.3 b	1.0 b	0.3 b	0.8 a	0.8 b	3.3 b	1.0 a	0.8 b	3.3 b	1.0 a	0.8 b	3.3 b	1.0 a	0.8 b	3.3 b	1.0 a	0.8 b	3.3 b	4002.6 a
3	PHY 425RF	A	4.5 a	3.0 a	1.0 a	5.3 a	5.8 a	1.8 a	6.3 a	3.8 a	3.5 a	3.0 a	12.0 a	2.3 a	3.0 a	12.0 a	2.3 a	3.0 a	12.0 a	2.3 a	3.0 a	12.0 a	2.3 a	3.0 a	3485.5 b	

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