

# University of Tennessee

## Seed Treatments for Thrips Control in Cotton - Gibson County

Location: Research and Education Center at Milan

Variety: ST 4848 GLT (planted 5-10-17)

All seed treated with the same fungicide seed treatment

Application: Appl A (at plant) seed treatment

Plots: 4 Rows x 30 ft (RCBD, 4 Reps)

Investigators: Stewart, S.Steckel, Williams

Description				Thrips injury	Thrips Counts	Thrips Injury	Vigor	Thrips Counts	Thrips Injury	Vigor	Seed Cotton
Pest Stage Majority				0-5 Scale	Immature	0-5 Scale	0-5 Scale	Immature	0-5 Scale	0-5 Scale	lbs/acre
Rating Date				5/24/2017	5/30/2017	5/30/2017	5/30/2017	6/5/2017	6/6/2017	6/6/2017	10/11/2017
Sample Size, Unit				1 Plot	5 Plants	1 Plot	1 Plot	5 Plants	1 Plot	1 Plot	
Plant-Eval Interval				14 DP-1	20 DP-1	20 DP-1	20 DP-1	26 DP-1	27 DP-1	27 DP-1	
Treatment	Formulation	Rate	Appl								
1 Untreated			A	3.00 a	74.0 a	3.90 a	4.20 c	122.8 a	4.18 a	3.05 c	2333.6 c
2 Aeris	600 g/l	0.75 mg ai/seed	A	1.38 c	12.0 c	2.40 c	4.70 a	41.3 b	2.40 d	4.60 a	2890.2 ab
3 Fluopyram 600 FS	600	0.2 mg ai/seed	A	1.38 c	10.8 c	2.35 c	4.65 a	38.8 b	2.58 cd	4.53 a	3060.2 a
Aeris	600 g/l	0.75 mg ai/seed	A								
4 Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A	1.38 c	9.8 c	2.43 c	4.65 a	40.3 b	2.68 c	4.58 a	2590 bc
Avicta	500 ga/l	0.15 mg ai/seed	A								
Cruiser	5 lb/gal	0.34 mg ai/seed	A								
5 Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A	1.40 c	24.5 bc	2.53 c	4.65 a	57.5 b	2.78 c	4.45 a	2663.1 bc
6 Experimental			A	2.03 b	36.3 b	3.43 b	4.45 b	100.0 a	3.55 b	3.90 b	2740.2 ab

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