

University of Tennessee

Seed Treatments and In-furrow Products for Thrips Control in Cotton - Madison County

Location: West TN Research and Education Center - Jackson

Variety: PHY 333 WRF (planted 5-8-17)

All seed treated with the same fungicide seed treatment

Application: Appl A (at plant) seed treatment; Appl B (at plant) In-furrow granular

Plots: 4 Rows x 35 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				5/23/2017	5/24/2017	5/30/2017	5/30/2017	5/30/2017	6/2/2017	6/2/2017	9/25/2017
Sample Size, Unit				1 Plot	5 Plants	1 Plot	1 Plot	5 Plants	1 Plot	1 Plot	
Plant-Eval Interval				15 DP-1	16 DP-1	22 DP-1	22 DP-1	22 DP-1	25 DP-1	25 DP-1	
Treatment	Formulation	Rate	App								
1 Untreated				1.98 a	22.5 a	3.20 a	4.40 b	26.3 a	3.30 a	4.20 d	3621.6 a
2 Orthene 97	97 %	6.4 oz ai/cwt	A	1.88 a	11.8 ab	2.45 b	4.53 b	28.8 a	2.90 b	4.43 c	3587.2 a
3 Orthene 97	97 %	15.0 oz ai/cwt	A	1.73 a	21.5 a	2.33 b	4.53 b	20.8 a	2.83 b	4.45 c	3521.4 a
4 Orthene 97	97 %	6.4 oz ai/cwt	A	1.15 b	7.0 bc	1.38 c	4.78 a	31.5 a	2.13 cd	4.78 ab	3800.6 a
Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A								
5 Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A	1.33 b	6.0 bc	1.48 c	4.78 a	26.5 a	2.20 c	4.68 b	3524.3 a
6 Aeris	600 g/l	0.75 mg ai/seed	A	1.15 b	2.3 c	1.28 c	4.75 a	17.5 a	1.98 d	4.75 ab	3539.1 a
7 Avictia Elite		0.525 mg ai/seed	A	1.20 b	5.8 bc	1.40 c	4.73 a	18.3 a	2.13 cd	4.75 ab	3657.0 a
Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A								
8 AgLogic in-furrow		4 lb/a	B	1.20 b	2.0 c	1.33 c	4.75 a	5.5 b	1.95 d	4.73 ab	3595.1 a
9 Imidacloprid		0.375 mg ai/seed	A	1.13 b	3.8 bc	1.33 c	4.75 a	21.8 a	1.98 d	4.83 a	3622.6 a
Abamectin		0.15 mg ai/seed	A								

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