

University of Tennessee

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

Location: West TN Research and Education Center - Jackson

Variety: PHY 333 WRF (planted 5-9-16)

All seed treated with a fungicide seed treatment

Application: Appl A 5-9-16; (at plant) seed treatment; Appl B (at plant) In-furrow; (7.9 GPA, 15 PSI, 8001FF)

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

Investigators: Stewart, S.Steckel, Williams

Description				Thrips Injury	Thrips Counts	Thrips Counts	Thrips Injury	Thrips Counts	Thrips Counts	Seed Cotton
Pest Stage Majority				0-5 scale	Immature	Ad + Imm.	0-5 scale	Immature	Ad + Imm.	lbs/acre
Rating Date				5/31/2016	5/31/2016	5/31/2016	6/6/2016	6/6/2016	6/6/2016	9/15/2016
Sample Size, Unit				1 Plot	5 Plants	5 Plants	1 Plot	5 Plants	5 Plants	
Plant-Eval Interval				22 DP-1	22 DP-1	22 DP-1	28 DP-1	28 DP-1	28 DP-1	
Treatment	Formulation	Rate	App							
1 Untreated				3.5 a	89.5 a	97.5 a	3.1 a	30.5 a	35.5 a	3568.8 a
2 Orthene 97	97 %	6.4 oz ai/cwt	A	3.2 a	75.0 ab	81.3 ab	2.9 ab	46.5 a	51.3 a	3396.9 a
3 Orthene 97	97 %	15 oz ai/cwt	A	2.8 b	50.0 bcd	54.8 bc	2.7 b	26.5 a	31.3 a	3498.1 a
4 Orthene 97	97 %	24 oz ai/cwt	A	2.6 b	41.3 cde	46.8 cd	2.6 b	29.8 a	33.0 a	3553.6 a
5 Cruiser	5 lb/gal	0.375 mg ai/seed	A	3.3 a	75.0 ab	80.3 ab	3.0 a	41.3 a	45.8 a	3699.0 a
6 Gaucho 600 FS	5 lba/gal	0.375 mg ai/seed	A	1.6 c	53.3 bc	61.3 bc	2.1 c	38.3 a	44.0 a	3687.7 a
7 Aeris Seed Applied System		0.75 mg ai/seed	A	0.9 e	25.0 de	35.0 cd	1.3 e	21.8 a	26.0 a	3914.2 a
8 Avicta Duo		0.525 mg ai/seed	A	1.7 c	30.5 cde	41.8 cd	1.6 d	34.8 a	39.8 a	3611.1 a
9 AgLogic		5 lb/a	B	1.3 d	17.8 e	22.8 d	1.5 de	19.0 a	23.5 a	3689.7 a

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