

# University of Tennessee

## Regional Study of Alternatives for Thrips Management in Cotton - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: (planted 5-11-16)

All seed treated with the same fungicide seed treatment

Application: Appl A (at plant) seed treatment; Appl B (at plant) In-furrow spray; (7.9 GPA, 15 PSI, 8001FF); Appl C (at plant) In-furrow granular

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

Investigators: Stewart, S.Steckel, Williams

Description				Thrips counts	Thrips counts	Thrips counts	Thrips Injury	Thrips counts	Thrips counts	Thrips Injury	Seed Cotton
Pest Stage Majority				Adult	Immature	Adult + Imm.	0 - 5 scale	Immature	Adult + Imm.	0 - 5 scale	lbs/acre
Rating Date				5/31/2016	5/31/2016	5/31/2016	6/1/2016	6/6/2016	6/6/2016	6/6/2016	9/15/2016
Sample Size, Unit				5 plants	5 plants	5 plants	1 Plot	5 plants	5 plants	1 Plot	
Trt-Eval Interval				20 DP-1	20 DP-1	20 DP-1	21 DP-1	26 DP-1	26 DP-1	26 DP-1	
Treatment	Formulation	Rate	Appl								
1 Untreated				3.0 bc	40.0 a	43.0 a	2.8 a	16.3 a	19.0 a	2.7 a	3573.7 a
2 Orthene 97	97 %	15 oz ai/cwt	A	3.0 bc	34.5 abc	37.5 abc	1.9 b	24.5 a	28.0 a	2.3 ab	3520.2 a
3 Orthene	97 %	1 lb/a	B	3.3 bc	24.8 bcd	28.0 bcd	1.7 bc	18.0 a	20.5 a	2.0 bcd	3722.6 a
4 Verimark	200 G/L	13 oz ai/cwt	A	1.8 c	26.8 a-d	28.5 bcd	1.9 b	23.0 a	25.8 a	1.9 cd	3474.0 a
5 Verimark	200 G/L	13 fl oz/a	B	4.5 ab	18.8 d	23.3 cd	1.7 bc	28.5 a	33.3 a	2.0 bc	3275.5 a
6 AgLogic	15 %aw/w	3.5 lb/a	C	2.5 bc	20.0 cd	22.5 d	1.7 bc	21.3 a	24.0 a	1.6 de	3388.0 a
7 AgLogic	15 %aw/w	5 lb/a	C	2.8 bc	19.8 d	22.5 d	1.5 c	16.5 a	20.3 a	1.4 e	3249.5 a
8 Sivanto	1.67 lb/gal	7 fl oz/a	B	5.5 a	35.5 ab	41.0 ab	1.9 b	21.8 a	25.3 a	2.6 a	3361.0 a
9 Aeris		21.32 oz/cwt	A	4.0 ab	3.0 e	7.0 e	1.1 d	23.8 a	25.5 a	0.7 f	3352.2 a

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