

The 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: (planted 5-10-18)

All seed treated with the same fungicide seed treatment

Application: Appl A (at plant) seed treatment; Appl B (at plant) In-furrow granular; Appl C (at plant) In-furrow (7.8 GPA, 80015 15 PSI, 80015FF)

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

Investigators: Stewart, S.Steckel, Williams

Description					Thrips Injury	Tobacco Thrips	Thrips Counts	Thrips Counts	Thrips Injury	Thrips Injury	Thrips Injury	Seed cotton
Pest Stage Majority					0-5 Scale	Adult	Immature	Adults + Immature	0-5 Scale	0-5 Scale	0-5 Scale	lbs/acre
Rating Date					5/25/2018	5/25/2018	5/25/2018	5/25/2018	5/29/2018	6/1/2018	6/4/2018	9/21/2018
Sample Size, Unit					1 Plot	5 Plants	5 Plants	5 Plants	1 Plot	1 Plot	1 Plot	
Plant-Eval Interval					15 DP-1	15 DP-1	15 DP-1	15 DP-1	19 DP-1	22 DP-1	25 DP-1	
Treatment	Formulation	Rate		Appl								
1 Untreated					2.00 a	2.75 cde	33.25 a	39.25 a	2.43 a	2.85 a	2.83 a	4193.80 a
2 Orthene 97	97 %	6.4	oz ai/cwt	A	1.85 a	2.00 de	12.50 bcd	17.25 bcd	2.05 b	2.48 b	2.40 b	4034.50 a
3 Orthene 97	97 %	6.4	oz ai/cwt	A	1.63 b	3.25 cde	8.50 cd	16.00 cd	1.55 cd	1.35 d	1.48 d	4251.80 a
Gaucha 600 FS	5 lba/gal	0.375	mg ai/seed	A								
4 Gaucha 600 FS	5 lba/gal	0.375	mg ai/seed	A	1.45 c	4.00 bc	5.50 d	16.25 cd	1.53 cd	1.33 d	1.48 d	4079.80 a
5 Aeris		0.75	mg ai/seed	A	1.55 bc	8.25 b	7.25 cd	22.50 bc	1.43 d	1.33 d	1.48 d	4061.10 a
6 Avictia Duo		0.525	mg ai/seed	A	1.58 bc	17.25 a	6.25 cd	29.50 ab	1.58 cd	1.38 cd	1.68 cd	4071.90 a
Gaucha 600 FS	5 lba/gal	0.375	mg ai/seed	A								
7 AgLogic		3.5	lb/a	B	1.45 c	1.25 e	3.50 d	5.75 d	1.43 d	1.45 cd	1.53 cd	4382.50 a
8 Orthene 97	97 %	1	lb ai/a	C	1.50 bc	3.00 cde	12.25 bcd	20.75 bc	1.48 d	1.35 d	1.48 d	3947.00 a
Admire Pro	4.6 lb/gal	9.2	fl oz/a	C								
9 Orthene 97	97 %	1	lb ai/a	C	1.93 a	1.75 e	16.50 bc	21.50 bc	2.03 b	2.38 b	2.55 b	4187.90 a
10 Admire Pro	4.6 lb/gal	9.2	fl oz/a	C	1.60 bc	4.25 bcd	20.50 b	29.50 ab	1.65 c	1.60 c	1.75 c	4266.50 a
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0008	0.0001	0.0001	0.0001	0.9675

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