

# University of Tennessee

Seed Treatment + In-furrow + Foliar Thrips Trial in Cotton - Madison Co.

Location: West TN Research and Education Center (Jackson)

Variety: ST 4554 B2RF (planted 5-19-08)

Ratings: Thrips Injury ( 0-5 scale ), Thrips counts ( 5 plants )

Application: 6-4-08 and 6-9-08, High clearance sprayer ( 8 GPA, 46 PSI, FF 8001 )

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

Investigators: Stewart, Willis, S. Steckel

Description				Thrips Injury	Thrips Counts	Thrips Counts	Thrips Injury	Seedcotton
Rating Date				6/9/2008	6/9/2008	6/12/2008	6/13/2008	10/6/2008
Sample Size					5	5		1
Sample Size Unit				PLOT	PLANT	PLANT	PLOT	A
Pest Stage					Ad+Imm	Ad+Imm		
Trt-Eval Interval				5 DA-B	5 DA-B	3 DA-C	4 DA-C	140 DA-A
Treatment		Rate						
1	Untreated Check			2.93 a	109.30 a	46.30 a	3.06 ab	3307.50 a
2	Carbofuran (In-furrow)	4 LB/GAL	32 fl oz/a	2.00 c	100.00 a	27.30 cde	2.88 abc	3347.62 a
3	Carbofuran (In-furrow)	4 LB/GAL	32 fl oz/a	0.40 d	7.80 d	13.00 fg	0.69 e	3815.87 a
	Gaucho 600 Seed Trt	5 LBA/GAL	0.375 mg ai/a					
4	Gaucho 600 Seed Trt	5 LBA/GAL	0.375 mg ai/a	0.53 d	9.30 cd	14.30 fg	0.81 e	3255.92 a
5	Dimethoate	4 LB/GAL	4 fl oz/a	2.35 bc	45.00 b	15.30 fg	2.44 cd	3161.93 a
6	Dimethoate	4 LB/GAL	8 fl oz/a	2.33 bc	36.50 bc	21.30 def	2.25 d	3890.37 a
7	Acephate	90 %	3.56 oz ai/a	2.23 bc	38.30 b	18.80 d-g	2.56 bcd	2964.78 a
8	Radiant	1 LB/GAL	3 oz/a	2.58 ab	37.80 b	18.00 efg	3.06 ab	2731.51 a
9	Radiant	1 LB/GAL	1.5 oz/a	2.35 bc	70.80 ab	35.50 bc	2.56 bcd	3029.54 a
10	Radiant	1 LB/GAL	1.5 oz/a	2.20 bc	25.00 bcd	19.30 d-g	2.44 cd	3712.70 a
	DYNE-AMIC	100 %	0.625 % v/v					
11	QRD 416	100 %	0.5 qt/a			47.50 a	3.38 a	2838.12 a
	NIS	100 %	0.25 % v/v					
12	QRD 416	100 %	1 qt/a			38.30 ab	3.25 a	3182.56 a
	NIS	100 %	0.25 % v/v					
13	Acephate	90 %	3.56 oz ai/a			29.00 bcd	3.13 a	2344.65 a
14	DPX-HGW86	100 GA/L	0.134 lb ai/a	2.35 bc	36.00 bc	10.30 g	2.06 d	3559.68 a
	MSO	100 %	0.5 % v/v					

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

# Foliar vs. At-planting Thrips Trial

## Cotton 2008

3 Days After Second Foliar (24 DAP); Foliar Appl. at 1 and 3 Leaf

