

University of Tennessee

Seed Treatment and In-Furrow Thrips Trial in Cotton

Location: West TN Research and Education Center (Jackson)

Variety: DP 117 B2RF (planted 4-23-08)

Application: At Planting

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

Investigators: Stewart, Willis, S.Steckel

Ad + Imm = Adults + Immatures

Pest Name				Thrips sp.	Thrips sp.	Thrips sp.	Thrips sp.
Description				Injury	Counts	Injury	Counts
Rating Date				5/12/08	5/13/08	5/20/08	5/20/08
Rating Unit				0-5	5	0-5	5
Sample Size Unit				PLOT	PLANT	PLOT	PLANT
Pest Stage				Ad + Imm	Ad + Imm	Ad + Imm	Ad + Imm
Trt-Eval Interval				19 DA-A	20 DA-A	27 DA-A	27 DA-A
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Unit	Rate	Unit
1	A15436 CRUISER 5 FS	158.51 600	GA/L GA/L	31.0 0.342	g ai/100 kg mg ai/seed	1.00	b
2	A15436 TEMIK 15 G (in-furrow)	158.51 15	GA/L %AW/W	31.0 840.0	g ai/100 kg gai/ha	0.98	b
3	A15436 DYNASTY 100 FS CRUISER 5 FS AVICTA 4.17 FS	158.51 100 600 500	GA/L GA/L GA/L GA/L	31.0 0.034 0.342 0.145	g ai/100 kg mg ai/seed mg ai/seed mg ai/seed	1.05	b
4	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 0.034 0.5	g ai/100 kg mg ai/seed mg ai/seed	1.00	b
5	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 0.034 0.5	g ai/100 kg mg ai/seed mg ai/seed	1.00	b
6	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 0.034 0.5	g ai/100 kg mg ai/seed mg ai/seed	1.00	b
7	A15436 A16115 DYNASTY CST 125 FS EXC3405	158.51 482.4 125 1	GA/L GA/L GA/L GA/L	31.0 0.5 0.034 29.57	g ai/100 kg mg ai/seed mg ai/seed ml/100 kg	1.05	b
8	A15436 DYNASTY CST 125 FS A16115 ASF271B	158.51 125 482.4 1	GA/L GA/L GA/L GA/L	31.0 0.034 0.5 0.075	g ai/100 kg mg ai/seed mg ai/seed mg ai/seed	1.10	b
9	A15436 ALLEGIANCE-LS BAYTAN 30 TRILEX FLOWABLE STP15273 STP17217	158.51 195 318 220 1 1	GA/L GA/L GA/L GA/L GA/L GA/L	31.0 15.0 5.0 10.0 0.375 0.375	g ai/100 kg g ai/100 kg g ai/100 kg g ai/100 kg mg ai/seed mg ai/seed	1.05	b
10	A15436	158.51	GA/L	31.0	g ai/100 kg	1.43	a

Continued...

Pest Name				Thrips sp.	Yield	
Description				Counts	Lint	
Rating Date				5/29/08	9/26/08	
Rating Unit					LB	
Sample Size				4	1	
Sample Size Unit				PLANT	A	
Pest Stage				Ad + Imm		
Trt-Eval Interval				36 DA-A	156 DA-A	
Trt No.	Treatment Name	Form Conc	Form Unit	Rate Unit	19	24
1	A15436 CRUISER 5 FS	158.51 600	GA/L GA/L	31.0 g ai/100 kg 0.342 mg ai/seed	38.5 a	1687 a
2	A15436 TEMIK 15 G (in-furrow)	158.51 15	GA/L %AW/W	31.0 g ai/100 kg 840.0 gai/ha	37.0 a	1693 a
3	A15436 DYNASTY 100 FS CRUISER 5 FS AVICTA 4.17 FS	158.51 100 600 500	GA/L GA/L GA/L GA/L	31.0 g ai/100 kg 0.034 mg ai/seed 0.342 mg ai/seed 0.145 mg ai/seed	33.3 a	1596 a
4	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 g ai/100 kg 0.034 mg ai/seed 0.5 mg ai/seed	24.8 a	1842 a
5	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 g ai/100 kg 0.034 mg ai/seed 0.5 mg ai/seed	28.0 a	1751 a
6	A15436 DYNASTY CST 125 FS A16115	158.51 125 482.4	GA/L GA/L GA/L	31.0 g ai/100 kg 0.034 mg ai/seed 0.5 mg ai/seed	33.0 a	1737 a
7	A15436 A16115 DYNASTY CST 125 FS EXC3405	158.51 482.4 125 1	GA/L GA/L GA/L GA/L	31.0 g ai/100 kg 0.5 mg ai/seed 0.034 mg ai/seed 29.57 ml/100 kg	54.0 a	1844 a
8	A15436 DYNASTY CST 125 FS A16115 ASF271B	158.51 125 482.4 1	GA/L GA/L GA/L GA/L	31.0 g ai/100 kg 0.034 mg ai/seed 0.5 mg ai/seed 0.075 mg ai/seed	46.8 a	1680 a
9	A15436 ALLEGIANCE-LS BAYTAN 30 TRILEX FLOWABLE STP15273 STP17217	158.51 195 318 220 1 1	GA/L GA/L GA/L GA/L GA/L GA/L	31.0 g ai/100 kg 15.0 g ai/100 kg 5.0 g ai/100 kg 10.0 g ai/100 kg 0.375 mg ai/seed 0.375 mg ai/seed	30.8 a	1822 a
10	A15436	158.51	GA/L	31.0 g ai/100 kg	25.8 a	1618 a

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