

Thrips Research on Cotton—2009

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CT09THP_Early

Table 1. Mean number of thrips per 5 plants, CT09THP Early. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 15 (1 st true leaf stage)		May 22 (1-2 true leaf stage)		May 28 (4 th true leaf stage)		Jun 3 (4-5 true leaf stage)		Jun 11 (6 th true leaf stage)	
			Adult	Immat.	Adult	Immat.	Adult	Immat.	Adult	Immat.	Adult	Immat.
1	Temik 15G	5 lb/A (IF)	0.50 c ¹	0.00 b	1.25 b	0.50 b	7.00	2.75 b	16.75	11.50 bc	12.00	66.50 a
2	Temik 15G + Aeris	5 lb/A (IF) Seed trt	0.50 c	0.00 b	1.25 b	0.25 b	9.75	2.75 b	11.25	11.75 bc	11.75	43.50 ab
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	1.25 bc	0.00 b	0.50 b	0.00 b	9.00	3.75 b	10.00	6.50 c	9.50	28.50 b
4	Aeris	Seed trt	2.25 ab	0.00 b	3.25 b	2.75 b	13.00	9.75 b	19.25	20.25 ab	11.50	45.75 ab
5	Temik 15G + Orthene 97	5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	.	.	1.50 b	0.25 b	11.00	3.75 b	9.25	11.00 bc	11.25	35.25 b
6	Temik 15G + Aeris + Orthene 97	3.5 lb/A (IF) Seed trt 4 oz/A (BC @ 1 st tl)	.	.	0.75 b	0.25 b	7.00	1.50 b	13.25	13.25 bc	6.00	30.25 b
7	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	.	.	2.00 b	0.75 b	8.00	4.00 b	16.50	11.25 bc	13.50	47.00 ab
8	Untreated	---	3.00 a	1.75 a	7.00 a	33.25 a	8.00	61.25 a	13.25	26.75 a	3.75	69.50 a
	LSD		1.72	0.87	3.73	6.61	NS	11.88	NS	11.81	NS	27.07

¹Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 2. Stand counts¹ and thrips injury ratings², CT09THP_Early. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Plants per row ft	Thrips injury rating			
				May 21 (1-2 true leaf stage)	May 27 (4 th true leaf stage)	Jun 2 (4 th true leaf stage)	Jun 9 (6 th true leaf stage)
1	Temik 15G	5 lb/A (IF)	2.45	1.00 b ³	1.25 b	1.06 c	0.63 bc
2	Temik 15G + Aeris	5 lb/A (IF) Seed trt	2.46	0.31 cd	0.94 d	0.75 d	0.25 d
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	2.48	0.50 c	0.94 d	0.75 d	0.56 c
4	Aeris	Seed trt	2.60	0.81 b	1.19 bc	1.69 b	0.75 b
5	Temik 15G + Orthene 97	5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	2.42	1.00 b	1.00 d	0.75 d	0.31 d
6	Temik 15G + Aeris + Orthene 97	3.5 lb/A (IF) Seed trt 4 oz/A (BC @ 1 st tl)	2.77	0.25 d	0.75 e	0.63 d	0.25 d
7	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	2.61	0.88 b	1.06 cd	0.81 d	0.56 c
8	Untreated	---	2.33	2.56 a	3.63 a	4.56 a	4.06 a
	LSD		NS	0.22	0.16	0.22	0.15

¹Based on the total number of plants in rows 1 and 2 of each plot on May 19 (total of 80 row ft per plot).

²Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

³Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 3. Plant height (centimeters)¹, CT09THP_Early. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Jun 2
1	Temik 15G	5 lb/A (IF)	9.69 b ²
2	Temik 15G + Aeris	5 lb/A (IF) Seed trt	9.49 b
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	9.88 ab
4	Aeris	Seed trt	9.25 b
5	Temik 15G + Orthene 97	5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	11.33 a
6	Temik 15G + Aeris + Orthene 97	3.5 lb/A (IF) Seed trt 4 oz/A (BC @ 1 st tl)	10.11 ab
7	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	10.02 ab
8	Untreated	---	7.55 c
	LSD		1.52

¹Based on sampling 10 plants per plot.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Late

Table 4. Mean number of thrips per 5 plants, CT09THP_Late. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 28		Jun 3 (2-3 true leaf stage)		Jun 11 (4 th true leaf stage)		Jun 18 (5-6 true leaf stage)	
			Adult	Immature	Adult	Immature	Adult	Immature	Adult	Immature
1	Temik 15G	5 lb/A (IF)	2.25 c ¹	0.75 b	0.50 b	0.75 c	3.75	8.75 b	10.75 b	19.25 b
2	Temik 15G	3.5 lb/A (IF)	1.25 c	0.00 b	0.75 b	0.50 c	3.75	5.75 b	13.00 b	26.75 b
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	0.50 c	0.75 b	1.00 b	0.75 c	3.75	5.25 b	12.75 b	25.75 b
4	Aeris	Seed trt	5.75 b	1.75 b	4.25 ab	7.50 c	3.25	18.75 b	26.25 a	29.25 b
5	Temik 15G + Orthene 97	3.5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	.	.	1.25 b	1.25 c	2.50	7.25 b	9.75 b	15.75 b
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	.	.	4.25 ab	6.75 c	3.25	7.00 b	17.25 b	29.00 b
7	Orthene 97	4 oz/A (BC @ 1 st tl)	.	.	2.00 b	51.25 b	6.50	15.50 b	13.75 b	54.00 a
8	Untreated	---	10.75 a	17.75 a	7.75 a	135.25 a	6.75	83.75 a	15.00 b	66.00 a
	LSD		3.26	8.55	3.83	16.16	NS	23.08	7.51	19.66

¹Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 5. Stand counts¹ and thrips injury ratings², CT09THP_Late. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Plants per row ft	Jun 2 (2-3 true leaf stage)	Jun 9 (3-4 true leaf stage)	Jun 16 (5-6 true leaf stage)
1	Temik 15G	5 lb/A (IF)	2.79 a-c ³	0.75 c	0.50 d	0.69 d
2	Temik 15G	3.5 lb/A (IF)	2.59 bc	0.75 c	0.75 c	0.75 d
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	2.80 ab	0.69 c	0.56 d	0.56 d
4	Aeris	Seed trt	2.95 a	0.75 c	0.75 c	1.06 c
5	Temik 15G + Orthene 97	3.5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	2.69 bc	0.75 c	0.56 d	0.69 d
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	2.80 ab	0.75 c	0.50 d	0.75 d
7	Orthene 97	4 oz/A (BC @ 1 st tl)	2.60 bc	3.06 b	3.44 b	3.50 b
8	Untreated	---	2.57 c	3.56 a	4.25 a	4.56 a
	LSD		0.22	0.13	0.15	0.22

¹Based on the total number of plants in rows 1 and 2 of each plot on May 26 (total of 70 row ft per plot).

²Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

³Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 6. Plant height (centimeters)¹, CT09THP Late. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Jun 9
1	Temik 15G	5 lb/A (IF)	9.11 b ²
2	Temik 15G	3.5 lb/A (IF)	10.20 a
3	Temik 15G + Aeris	3.5 lb/A (IF) Seed trt	10.20 a
4	Aeris	Seed trt	9.08 b
5	Temik 15G + Orthene 97	3.5 lb/A (IF) 4 oz/A (BC @ 1 st tl)	9.51 b
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	9.50 b
7	Orthene 97	4 oz/A (BC @ 1 st tl)	8.04 c
8	Untreated	---	7.23 d
	LSD		0.50

¹Based on sampling 10 plants per plot.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Syngenta

Table 7. Stand counts and mean number of thrips per 10 plants, CT09THP_Syngenta. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Plants per row ft ¹		May 15 (cotyledon stage)		May 21 (1 st true leaf stage)		May 28 (3-4 true leaf stage)		Jun 3 (3-4 true leaf stage)	
			May 19	May 26	Adult	Immat.	Adult	Immat.	Adult	Immat.	Adult	Immat.
1	Dynasty CST 125 FS	0.03 mg ai/seed	2.77	2.57	5.00 a ²	1.75 a	15.75 a	14.25 a	7.00	83.50 a	13.50	137.75 a
2	Dynasty CST 125 FS Cruiser 5FS	0.03 mg ai/seed 0.34 mg ai/seed	2.64	2.55	1.00 b	0.00 b	3.25 bc	1.50 b	4.00	5.50 b	9.25	35.75 bc
3	Dynasty CST 125 FS Cruiser 5FS Avicta 500 FS	0.03 mg ai/seed 0.34 mg ai/seed 0.15 mg ai/seed	2.75	2.65	0.25 b	0.00 b	3.00 bc	0.00 b	6.50	3.50 b	11.50	34.00 b-d
4	Dynasty CST 125 FS Cruiser 5FS EXC211	0.03 mg ai/seed 0.34 mg ai/seed 0.06 mg ai/seed	2.75	2.63	0.50 b	0.00 b	3.50 bc	0.00 b	10.50	5.50 b	13.50	46.25 b
5	Dynasty CST 125 FS Cruiser 5FS A17230	0.03 mg ai/seed 0.34 mg ai/seed 0.13 mg ai/seed	2.85	2.56	0.50 b	0.00 b	2.25 c	0.00 b	7.75	7.00 b	15.50	38.75 bc
6	Dynasty CST 125 FS Cruiser 5FS A17230	0.03 mg ai/seed 0.34 mg ai/seed 0.15 mg ai/seed	2.55	2.46	2.00 b	0.00 b	2.75 bc	0.25 b	6.50	4.00 b	11.25	33.75 b-d
7	Trilex Flowable Baytan 30 Allegiance STP15273 STP17217	10 g ai/100 kg seed 5 g ai/100 kg seed 15 g ai/100 kg seed 0.375 mg ai/seed 0.375 mg ai/seed	2.86	2.73	1.25 b	0.00 b	5.50 b	0.00 b	7.50	3.75 b	2.75	19.25 cd
8	Dynasty CST 125 FS Cruiser 5FS A15938	0.03 mg ai/seed 0.34 mg ai/seed 0.20 mg ai/seed	2.65	2.61	0.75 b	0.00 b	4.25 bc	0.50 b	6.75	2.75 b	12.00	23.50 cd
9	Dynasty CST 125 FS Cruiser 5FS A17533	0.03 mg ai/seed 0.34 mg ai/seed 0.20 mg ai/seed	2.80	2.74	0.75 b	0.00 b	3.25 bc	0.75 b	8.00	5.25 b	14.75	33.25 b-d
10	Dynasty CST 125 FS Temik 15G	0.03 mg ai/seed 5 lb/A (IF)	2.73	2.60	0.25 b	0.25 b	2.50 bc	0.00 b	1.25	2.50 b	3.25	12.00 d
	LSD		NS	NS	2.03	0.96	3.25	2.86	NS	21.12	NS	22.39

¹Based on the total number of plants in rows 1 and 2 of each plot (total of 70 row ft per plot).

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 8. Thrips injury ratings¹, CT09THP_Syngenta. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 21 (1 st true leaf stage)	May 27 (3-4 true leaf stage)	Jun 2 (3-4 true leaf stage)	Jun 9 (5 th true leaf stage)
1	Dynasty CST 125 FS	0.03 mg ai/seed	1.75 a ²	3.75 a	4.00 a	4.50 a
2	Dynasty CST 125 FS Cruiser 5FS	0.03 mg ai/seed 0.34 mg ai/seed	1.00 b	1.19 bc	1.50 b	1.00 b
3	Dynasty CST 125 FS Cruiser 5FS Avicta 500 FS	0.03 mg ai/seed 0.34 mg ai/seed 0.15 mg ai/seed	1.00 b	1.06 bc	0.88 c	0.69 cd
4	Dynasty CST 125 FS Cruiser 5FS EXC211	0.03 mg ai/seed 0.34 mg ai/seed 0.06 mg ai/seed	1.00 b	1.25 b	1.38 b	0.88 bc
5	Dynasty CST 125 FS Cruiser 5FS A17230	0.03 mg ai/seed 0.34 mg ai/seed 0.13 mg ai/seed	1.06 b	1.19 bc	0.94 c	0.56 de
6	Dynasty CST 125 FS Cruiser 5FS A17230	0.03 mg ai/seed 0.34 mg ai/seed 0.15 mg ai/seed	1.00 b	1.19 bc	0.94 c	0.75 cd
7	Trilex Flowable Baytan 30 Allegiance STP15273 STP17217	10 g ai/100 kg seed 5 g ai/100 kg seed 15 g ai/100 kg seed 0.375 mg ai/seed 0.375 mg ai/seed	1.06 b	1.00 c	0.69 c	0.56 de
8	Dynasty CST 125 FS Cruiser 5FS A15938	0.03 mg ai/seed 0.34 mg ai/seed 0.20 mg ai/seed	1.06 b	1.06 bc	0.81 c	0.63 de
9	Dynasty CST 125 FS Cruiser 5FS A17533	0.03 mg ai/seed 0.34 mg ai/seed 0.20 mg ai/seed	0.94 bc	1.19 bc	0.88 c	0.69 cd
10	Dynasty CST 125 FS Temik 15G	0.03 mg ai/seed 5 lb/A (IF)	0.83 c	1.25 b	0.88 c	0.44 e
	LSD		0.13	0.23	0.29	0.20

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Regional

Table 9. Plant emergence and mean number of thrips per 5 plants, CT09THP_Regional. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Percent emergence (11 DAP) ¹	May 20 (1 st true leaf stage)		May 26 (3-4 true leaf stage)		Jun 1 (4 th true leaf stage)		Jun 8 (5 th true leaf stage)	
				Adult	Immature	Adult	Immature	Adult	Immature	Adult	Immature
1	Untreated	---	88	8.25 a ²	2.00	7.50 a	55.25 a	14.00 a	56.00 a	14.00	41.00 a
2	Temik	5 lb/A	89	0.25 b	0.00	0.25 d	0.25 e	5.00 cd	4.00 cd	10.75	15.50 cd
3	Aeris	Seed trt	90	1.75 b	0.00	4.25 b	4.50 de	12.00 ab	13.25 cd	26.00	34.00 ab
4	Untreated + Orthene 97	--- 4 oz/A (BC @ 1 st tl)	90	.	.	1.50 cd	16.00 cd	11.75 ab	18.50 bc	17.50	34.75 ab
5	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl)	90	.	.	1.25 d	1.00 e	5.00 cd	3.00 d	12.50	8.50 d
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	90	.	.	0.25 d	4.25 de	9.00 bc	6.75 cd	24.00	24.75 bc
7	Untreated + Orthene 97	--- 4 oz/A (BC @ 3-4 tl)	88	.	.	4.00 bc	40.25 b	6.75 cd	29.00 b	16.75	22.25 b-d
8	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 3-4 tl)	90	.	.	0.75 d	0.50 e	6.25 cd	2.50 d	15.75	11.25 cd
9	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 3-4 tl)	90	.	.	2.75 b-d	2.00 e	4.50 cd	3.00 d	15.00	12.50 cd
10	Untreated + Orthene 97 + Orthene 97	--- 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	90	.	.	1.00 d	18.25 c	5.75 cd	6.00 cd	16.00	9.25 d
11	Temik + Orthene 97 + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	90	.	.	1.33 cd	2.33 e	4.00 d	0.33 d	10.67	11.67 cd
12	Aeris + Orthene 97 + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	88	.	.	1.25 d	3.00 de	5.00 cd	2.50 d	7.75	11.50 cd
	LSD		NS	3.26	NS	2.70	13.55	4.78	14.93	NS	14.82

¹Percent emergence at 11 days after planting (DAP) determined by visual estimate on May 11.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 10. Thrips injury ratings¹, CT09THP_Regional. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 21 (1 st true leaf stage)	May 27 (3-4 true leaf stage)	Jun 2 (4 th true leaf stage)	Jun 9 (5-6 th true leaf stage)
1	Untreated	---	2.50 ab ²	3.75 a	4.19 a	4.38 a
2	Temik	5 lb/A	1.00 c	1.00 de	0.81 c	0.50 e
3	Aeris	Seed trt	1.13 c	0.88 e	0.81 c	0.75 d
4	Untreated + Orthene 97	--- 4 oz/A (BC @ 1 st tl)	2.75 a	3.13 b	3.56 b	3.75 b
5	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl)	1.06 c	1.13 de	0.75 c	0.38 ef
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	1.19 c	1.06 de	0.75 c	0.50 e
7	Untreated + Orthene 97	--- 4 oz/A (BC @ 3-4 tl)	2.56 ab	3.19 b	4.00 a	3.75 b
8	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 3-4 tl)	1.06 c	1.13 de	0.75 c	0.25 f
9	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 3-4 tl)	1.13 c	1.06 de	0.81 c	0.50 e
10	Untreated + Orthene 97 + Orthene 97	--- 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	2.44 b	2.50 c	3.38 b	2.88 c
11	Temik + Orthene 97 + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	1.06 c	1.25 d	0.75 c	0.25 f
12	Aeris + Orthene 97 + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	1.19 c	0.94 e	0.69 c	0.25 f
	LSD		0.27	0.26	0.24	0.14

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

Table 11. Plant height (centimeters)¹, CT09THP Regional. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Jun 2
1	Untreated	---	6.24 h ²
2	Temik	5 lb/A	7.73 de
3	Aeris	Seed trt	7.58 ef
4	Untreated + Orthene 97	--- 4 oz/A (BC @ 1 st tl)	7.43 f
5	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl)	8.48 a
6	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	7.88 cd
7	Untreated + Orthene 97	--- 4 oz/A (BC @ 3-4 tl)	6.89 g
8	Temik + Orthene 97	5 lb/A 4 oz/A (BC @ 3-4 tl)	8.29 ab
9	Aeris + Orthene 97	Seed trt 4 oz/A (BC @ 3-4 tl)	8.08 bc
10	Untreated + Orthene 97 + Orthene 97	--- 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	7.29 f
11	Temik + Orthene 97 + Orthene 97	5 lb/A 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	8.06 bc
12	Aeris + Orthene 97 + Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl) 4 oz/A (BC @ 3-4 tl)	8.30 ab
	LSD		0.29

¹Based on sampling 10 plants per plot.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Bayer

Table 12. Stand counts and thrips injury ratings¹, CT09THP_Bayer. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	Plants per row ft ²	May 21 (1 st true leaf stage)	May 27 (3-4 true leaf stage)	Jun 2 (4 th true leaf stage)	Jun 9 (6 th true leaf stage)
1	Calcium carbonate	500 g/100 kg	2.75	2.69 a ³	3.00 a	4.00 a	4.25 a
2	Calcium carbonate Gaucho Grande	500 g/100 kg 0.375 mg ai/seed	2.66	0.88 bc	0.88 bc	0.81 bc	0.50 b
3	Calcium carbonate Aeris seed applied system GB 126 240FS	500 g/100 kg 0.75 mg ai/seed 5 MIU/seed	2.65	0.94 b	0.81 c	0.75 c	0.50 b
4	Calcium carbonate Aeris seed applied system GB 126 240FS	500 g/100 kg 0.75 mg ai/seed 1 MIU/seed	2.75	0.81 bc	1.06 b	0.75 c	0.25 c
5	Calcium carbonate Aeris seed applied system	500 g/100 kg 0.75 mg ai/seed	2.82	0.81 bc	1.00 bc	0.75 c	0.25 c
6	Cruiser 600FS Avicta 500FS	0.34 mg ai/seed 0.15 mg ai/seed	2.80	0.75 c	0.88 bc	0.88 b	0.25 c
	LSD		NS	0.15	0.21	0.12	0.00

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Based on the total number of plants in rows 1 and 2 of each plot on May 20 (total of 70 row ft per plot).

³Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Nichino

Table 13. Thrips injury ratings¹, CT09THP_Nichino. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 21 (1 st true leaf stage)	May 27 (3-4 true leaf stage)	Jun 2 (4 th true leaf stage)	Jun 9 (5-6 th true leaf stage)
1	Aeris NAI-2302	Seed trt 11 oz/A (BC @ 1 st tl)	1.19 b ²	1.25 b	0.75 c	0.50 b
2	Aeris NAI-2302 + Karate Z	Seed trt 11 oz/A (BC @ 1 st tl) 2 oz/A (BC @ 1 st tl)	1.25 b	1.19 b	0.81 c	0.25 c
3	Aeris Karate Z	Seed trt 2 oz/A (BC @ 1 st tl)	1.19 b	1.25 b	1.00 b	0.50 b
4	Aeris Orthene 97	Seed trt 4 oz/A (BC @ 1 st tl)	1.25 b	1.25 b	0.75 c	0.25 c
5	Aeris	Seed trt	1.19 b	1.31 b	0.81 c	0.50 b
6	Temik 15G	5 lb (IF)	1.19 b	1.19 b	0.75 c	0.25 c
7	Untreated	---	2.75 a	3.38 a	4.25 a	4.50 a
	LSD		0.14	0.21	0.09	0.00

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Ecotec

Table 14. Thrips injury ratings¹, CT09THP_Ecotec. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 21 (1 st true leaf stage)	May 27 (2-3 true leaf stage)	Jun 2 (3-4 true leaf stage)	Jun 9 (5 th true leaf stage)
1	Orthene 97	4 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.63 e ²	2.56 cd	1.63 c
2	Karate Z	1.28 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.94 bc	3.94 b	4.00 b
3	Requiem 25EC	32 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.94 bc	4.00 b	4.13 b
4	Ecotec + Radiant SC	16 oz (BC @ 1 st tl and @ 3-4 tl) 6 oz (BC @ 1 st tl and @ 3-4tl)	2.75	2.88 b-d	2.75 c	1.63 c
5	Ecotec + Radiant SC	32 oz (BC @ 1 st tl and @ 3-4 tl) 6 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.69 de	2.50 d	1.63 c
6	Ecotec + Orthene 97	16 oz (BC @ 1 st tl and @ 3-4 tl) 4 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.69 de	2.63 cd	1.69 c
7	Ecotec + Orthene 97	32 oz (BC @ 1 st tl and @ 3-4 tl) 4 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.75 c-e	2.69 cd	1.56 c
8	Ecotec + Karate Z	16 oz (BC @ 1 st tl and @ 3-4 tl) 1.28 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	2.81 b-e	4.00 b	3.88 b
9	Ecotec + Karate Z	32 oz (BC @ 1 st tl and @ 3-4 tl) 1.28 oz (BC @ 1 st tl and @ 3-4 tl)	2.75	3.00 b	4.00 b	4.00 b
10	Untreated	---	2.75	3.25 a	4.25 a	4.50 a
	LSD		NS	0.19	0.23	0.29

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).

CT09THP_Comparison

Table 15. Thrips injury ratings¹, CT09THP_Comparison. Tidewater AREC, Suffolk, VA, 2009.

#	Material	Rate	May 21 (1 st true leaf stage)	May 27 (2-3 true leaf stage)	Jun 2 (3-4 true leaf stage)	Jun 9 (5-6 true leaf stage)
1	Aeris	---	1.00 b ²	1.31 b	1.06 b	2.50 b
2	Aeris + Orthene 97	4 oz (BC @ 1 st tl)	1.00 b	1.19 bc	0.88 c	0.81 c
3	Avicta CP	---	1.00 b	1.25 b	0.81 c	2.69 b
4	Avicta CP + Orthene 97	4 oz (BC @ 1 st tl)	1.00 b	1.25 b	0.75 cd	0.81 c
5	Temik 15G	5 lb (IF)	1.00 b	1.19 bc	0.75 cd	0.75 cd
6	Temik 15G + Orthene 97	5 lb (IF) 4 oz (BC @ 1 st tl)	1.00 b	1.06 c	0.63 d	0.56 d
7	Untreated	---	2.75 a	3.25 a	4.25 a	4.50 a
	LSD		0.00	0.18	0.15	0.25

¹Thrips injury based on a 0-5 scale, 0 = no injury and 5 = dead plants.

²Means within a column followed by the same letter(s) are not significantly different (Protected LSD, P=0.05).