

# Thrips Research on Peanut—2009

D. Ames Herbert, Jr.  
Extension Entomologist  
Virginia Tech Tidewater AREC

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**PT09THP\_DuPont**

**Table 1. Stand counts and thrips injury ratings, PT09THP\_DuPont. Tidewater AREC, Suffolk, VA, 2009.**

#	Material	Rate	Plants per row ft <sup>1</sup>			Thrips injury rating <sup>2</sup>			
			May 27	Jun 1	Jun 8	Jun 1	Jun 9	Jun 16	Jun 23
1	DPX-HGW86 20SC	0.088 lb ai/A (IF)	2.60	2.60	2.68	0.69 b <sup>3</sup>	2.50 b	3.13 c	1.69 b
2	DPX-HGW86 20SC	0.134 lb ai/A (IF)	2.58	2.70	2.70	0.81 b	2.63 b	3.88 b	1.56 b
3	DPX-HGW86 20SC	0.176 lb ai/A (IF)	2.46	2.54	2.81	0.56 b	2.81 b	3.25 bc	1.63 b
4	Thimet 20G	5 lb/A (IF)	2.34	2.60	2.86	0.56 b	0.75 c	1.38 d	0.75 c
5	Temik 15G	7 lb/A (IF)	2.43	2.59	2.65	0.25 c	0.50 c	1.06 d	0.75 c
6	Untreated	---	2.67	2.65	2.69	3.13 a	4.81 a	6.75 a	5.63 a
	LSD		NS	NS	NS	0.29	0.34	0.71	0.46

<sup>1</sup>Based on the total number of plants in rows 1 and 2 of each plot (total of 80 row ft per plot). Peanut was planted on May 12.

<sup>2</sup>Thrips injury rated on a 0-10 scale, 0 = no injury and 10 = dead plants.

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

**Table 2. Thrips counts, PT09THP\_DuPont. Tidewater AREC, Suffolk, VA, 2009.**

#	Material	Rate	Thrips per 10 terminal leaflets <sup>1</sup>							
			May 27		Jun 2		Jun 9		Jun 16	
			Adult	Immat.	Adult	Immat.	Adult	Immat.	Adult	Immat.
1	DPX-HGW86 20SC	0.088 lb ai/A (IF)	3.25 bc <sup>2</sup>	0.00	11.25 a	1.00 b	5.50	7.75 b	0.50	5.75
2	DPX-HGW86 20SC	0.134 lb ai/A (IF)	4.75 a-c	0.00	13.25 a	1.00 b	9.25	20.25 b	0.75	12.75
3	DPX-HGW86 20SC	0.176 lb ai/A (IF)	6.00 ab	0.00	16.00 a	0.75 b	7.75	23.00 b	1.25	10.50
4	Thimet 20G	5 lb/A (IF)	3.25 bc	0.00	8.50 ab	1.75 b	4.00	8.00 b	0.50	10.25
5	Temik 15G	7 lb/A (IF)	2.00 c	0.00	1.75 b	0.00 b	5.25	6.75 b	1.25	11.25
6	Untreated	---	7.00 a	0.00	13.00 a	7.50 a	2.75	81.00 a	0.50	14.25
	LSD		3.20	NS	7.94	2.45	NS	26.56	NS	NS

<sup>1</sup>Ten leaflets were sampled per plot on each date.

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

**PT09THP\_Syngenta**

**Table 3. Stand counts and thrips injury ratings, PT09THP\_Syngenta. Tidewater AREC, Suffolk, VA, 2009.**

#	Material	Rate	Plants per row ft <sup>1</sup>		Thrips injury rating <sup>2</sup>			
			May 27	Jun 8	Jun 1	Jun 9	Jun 16	Jun 23
1	Untreated	---	2.90 a <sup>3</sup>	3.01	3.06 a	4.88 a	6.75 a	5.06 a
2	Cruiser 70 WS	1 oz/cwt	2.56 b-d	2.78	0.69 c	1.25 b	3.31 bc	2.75 b
3	Dynasty PD 5.6 DS	4 oz/cwt	2.61 a-c	2.86	2.69 ab	4.94 a	6.63 a	5.75 a
4	Dynasty PD 5.6 DS	3 oz/cwt	2.53 b-d	2.71	2.50 b	5.00 a	6.75 a	5.75 a
5	Dynasty PD 5.6 DS + Cruiser 70 WS	3 oz/cwt 1 oz/cwt	2.76 ab	2.86	0.69 c	0.75 cd	3.06 c	2.88 b
6	A17460	4 oz/cwt	2.47 b-d	2.69	0.69 c	0.94 c	3.50 b	3.25 b
7	A17461	4 oz/cwt	2.36 cd	2.70	0.63 c	0.88 c	3.19 c	3.06 b
8	A17462	4 oz/cwt	2.39 cd	2.62	0.44 c	0.81 c	2.63 d	1.63 c
9	Dynasty PD 5.6 DS Thimet 20G	4 oz/cwt 5 lb/A (IF)	2.63 a-c	2.99	0.50 c	0.75 cd	1.00 e	0.75 d
10	Dynasty PD 5.6 DS Temik 15G	4 oz/cwt 3.5 lb/A (IF)	2.27 d	2.89	0.44 c	0.50 de	0.94 e	0.75 d
11	Dynasty PD 5.6 DS Temik 15G	4 oz/cwt 7 lb/A (IF)	2.27 d	3.04	0.25 c	0.42 e	0.75 e	0.58 d
	LSD		0.32	NS	0.50	0.26	0.28	0.80

<sup>1</sup>Based on the total number of plants in rows 1 and 2 of each plot (total of 80 row ft per plot). Peanut was planted on May 12.

<sup>2</sup>Thrips injury rated on a 0-10 scale, 0 = no injury and 10 = dead plants.

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

**Table 4. Thrips counts, PT09THP\_Syngenta. Tidewater AREC, Suffolk, VA, 2009.**

#	Material	Rate	Thrips per 10 terminal leaflets <sup>1</sup>							
			May 27		Jun 2		Jun 9		Jun 16	
			Adult	Immat.	Adult	Immat.	Adult <sup>2</sup>	Immat.	Adult	Immat.
1	Untreated	---	9.50 a <sup>3</sup>	0.00	9.25 a-c	8.50 ab	1.25	120.50 a	0.50	21.25
2	Cruiser 70 WS	1 oz/cwt	0.25 b	0.00	7.75 bc	0.25 c	2.50	34.00 b	0.00	28.50
3	Dynasty PD 5.6 DS	4 oz/cwt	7.25 a	0.00	15.50 a	4.50 bc	2.00	119.50 a	1.25	19.50
4	Dynasty PD 5.6 DS	3 oz/cwt	6.75 a	0.00	9.25 a-c	14.25 a	3.00	119.75 a	1.00	14.25
5	Dynasty PD 5.6 DS + Cruiser 70 WS	3 oz/cwt 1 oz/cwt	0.25 b	0.00	6.50 bc	0.00 c	2.50	21.50 b	0.75	24.00
6	A17460	4 oz/cwt	0.00 b	0.00	11.25 ab	0.50 c	3.00	28.00 b	0.25	39.25
7	A17461	4 oz/cwt	1.00 b	0.00	5.75 bc	0.25 c	4.00	26.75 b	0.50	28.25
8	A17462	4 oz/cwt	0.50 b	0.00	7.00 bc	0.00 c	2.75	14.25 b	0.75	32.25
9	Dynasty PD 5.6 DS Thimet 20G	4 oz/cwt 5 lb/A (IF)	0.75 b	0.00	6.75 bc	1.00 c	2.25	20.00 b	1.00	12.25
10	Dynasty PD 5.6 DS Temik 15G	4 oz/cwt 3.5 lb/A (IF)	0.50 b	0.00	3.75 c	0.25 c	5.67	8.00 b	0.33	17.33
11	Dynasty PD 5.6 DS Temik 15G	4 oz/cwt 7 lb/A (IF)	1.25 b	0.00	4.75 c	2.50 bc	4.00	2.67 b	0.00	14.00
	LSD		3.19	NS	6.39	7.43	NS	38.15	NS	NS

<sup>1</sup>Ten leaflets were sampled per plot on each date.

<sup>2</sup>There were no significant differences when adults were analyzed by species (92.6% tobacco, 4.1% western flower, 1.6% eastern flower, and 1.6% "other" thrips).

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

**PT09THP\_VA\_LINES**

**Table 5. Thrips injury ratings and thrips counts, PT09THP\_VA Lines. Tidewater AREC, Suffolk, VA, 2009.**

#	Variety	Thrips injury rating <sup>1</sup>				Thrips per 10 terminal leaflets <sup>2</sup>							
		Jun 1	Jun 10	Jun 16	Jun 23	May 27		Jun 2		Jun 9		Jun 16	
						Adult	Immat.	Adult	Immat.	Adult	Immat.	Adult	Immat.
1	VT 003069	2.69 b <sup>3</sup>	4.94 b	6.56	5.5	4.75	0.00	8.75 c	7.25	1.25	71.50	1.00	11.75
2	VT 003194	2.69 b	4.75 b	6.56	5.44	9.50	0.00	18.25 ab	5.25	1.25	65.00	0.75	22.75
3	VT 004152	2.44 c	4.88 b	6.56	5.38	11.00	0.00	14.00 bc	6.50	1.25	52.25	0.50	18.25
4	VT 024077	2.63 bc	4.94 b	6.50	5.69	7.00	0.00	8.75 c	4.25	1.25	100.75	1.00	22.00
5	VT 024051	2.63 bc	4.94 b	6.56	5.50	3.75	0.25	20.50 a	6.00	2.75	93.50	0.50	25.75
6	Sosh	3.25 a	5.19 a	6.63	5.75	6.25	0.00	18.75 ab	5.25	3.25	108.50	0.50	20.50
7	Bailey	2.75 b	5.19 a	6.75	5.63	5.25	0.00	14.75 b	1.75	1.75	103.00	0.00	15.75
	LSD	0.25	0.19	NS	NS	NS	NS	5.33	NS	NS	NS	NS	NS

<sup>1</sup>Thrips injury rated on a 0-10 scale, 0 = no injury and 10 = dead plants. Peanut was planted on May 13.

<sup>2</sup>Ten leaflets were sampled per plot on each date.

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

**PT09THP\_Ecotec**

**Table 6. Thrips injury ratings and thrips counts, PT09THP\_Ecotec. Tidewater AREC, Suffolk, VA, 2009.**

#	Material	Rate <sup>1</sup>	Thrips injury rating <sup>2</sup>			
			Jun 2	Jun 9	Jun 16	Jun 23
1	Orthene 97	4 oz	1.63 de <sup>3</sup>	2.81 d	3.88 b	2.56 b
2	Karate Z	1.28 oz	2.69 b	4.69 bc	6.75 a	5.75 a
3	Requiem 25EC (= QRD 400)	32 oz	3.13 a	5.00 a	6.75 a	5.75 a
4	Ecotec + Radiant SC	16 oz 6 oz	1.94 cd	2.50 e	2.94 d	2.19 d
5	Ecotec + Radiant SC	32 oz 6 oz	2.13 c	2.56 de	2.88 d	2.19 d
6	Ecotec + Orthene 97	16 oz 4 oz	1.44 e	2.69 de	3.44 c	2.50 bc
7	Ecotec + Orthene 97	32 oz 4 oz	1.69 de	2.69 de	3.44 c	2.25 cd
8	Ecotec + Karate Z	16 oz 1.28 oz	2.94 ab	4.50 c	6.75 a	5.75 a
9	Ecotec + Karate Z	32 oz 1.28 oz	2.69 b	4.56 c	6.75 a	5.75 a
10	Untreated	---	3.19 a	4.88 ab	6.75 a	5.75 a
	LSD		0.32	0.31	0.17	0.28

<sup>1</sup>All treatments were broadcast at late ground cracking and again in 10-14 days. Peanut was planted on May 13.

<sup>2</sup>Thrips injury rated on a 0-10 scale, 0 = no injury and 10 = dead plants.

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