

Table 5. Number of chewing predators/plant, # of sucking predators/plant, and total # of chewing predators/plant for broccoli and cucumber (seasonal means) by year, location, and treatment. For treatment, BR = broccoli, CU = cucumber, BW = buckwheat, D/F = dill and fennel combination, Y/S = sunflower and yarrow combination, and SE = standard error. Means within year by location followed by letters that are the same are not significantly different. ($P > 0.05$, LSD).

Crop	Year	Location	Treatment	# of chewing predators/plant (mean±SE)	# of sucking predators/plant (mean±SE)	Total predators/plant (mean±SE)
Broccoli	2010	Athens	BR	0.31 ± 0.07	0.26 ± 0.07	0.58 ± 0.12
			BW	0.11 ± 0.05	0.24 ± 0.07	0.35 ± 0.10
			D/F	0.23 ± 0.06	0.15 ± 0.06	0.38 ± 0.10
			S/Y	0.23 ± 0.06	0.26 ± 0.07	0.49 ± 0.10
		Tifton	BR	0.48 ± 0.08	0.05 ± 0.02	0.53 ± 0.11
			BW	0.63 ± 0.10	0.08 ± 0.03	0.72 ± 0.11
			D/F	0.40 ± 0.07	0.03 ± 0.01	0.43 ± 0.08
			S/Y	0.37 ± 0.07	0.08 ± 0.03	0.44 ± 0.08
	2011	Athens	BR	0.09 ± 0.03	0.12 ± 0.03	0.21 ± 0.04
			BW	0.13 ± 0.03	0.17 ± 0.04	0.30 ± 0.06
			D/F	0.11 ± 0.03	0.10 ± 0.03	0.21 ± 0.04
			S/Y	0.17 ± 0.04	0.11 ± 0.03	0.28 ± 0.05
		Tifton	BR	0.29 ± 0.05	0.02 ± 0.01	0.31 ± 0.05
			BW	0.24 ± 0.05	0.01 ± 0.01	0.25 ± 0.05
			D/F	0.26 ± 0.04	0.01 ± 0.01	0.27 ± 0.04
			S/Y	0.33 ± 0.08	0.03 ± 0.01	0.36 ± 0.08
	2012	Tifton	BR	0.45 ± 0.06	0.10 ± 0.02	0.55 ± 0.07
			BW	0.57 ± 0.09	0.05 ± 0.00	0.62 ± 0.09
			D/F	0.45 ± 0.06	0.13 ± 0.03	0.58 ± 0.07
			S/Y	0.46 ± 0.06	0.10 ± 0.03	0.56 ± 0.07

Table 5 (cont.)

Crop	Year	Location	Treatment	# of chewing predators/plant (mean±SE)	# of sucking predators/plant (mean±SE)	Total predators/plant (mean±SE)
Cucumber	2010	Athens	CU	0.29 ± 0.06	0.15 ± 0.04	0.44 ± 0.07a
			BW	0.27 ± 0.08	0.13 ± 0.04	0.40 ± 0.09a
			D/F	0.12 ± 0.04	0.12 ± 0.03	0.24 ± 0.05b
			S/Y	0.24 ± 0.09	0.05 ± 0.02	0.29 ± 0.09b
	2011	Athens	CU	0.40 ± 0.11	1.06 ± 0.14a	1.46 ± 0.18
			BW	0.43 ± 0.10	0.99 ± 0.13a	1.41 ± 0.17
			D/F	0.34 ± 0.08	0.56 ± 0.11b	0.90 ± 0.15
			S/Y	0.46 ± 0.15	0.84 ± 0.12ab	1.30 ± 0.19
		Tifton	CU	0.84 ± 0.18	0.27 ± 0.05	1.11 ± 0.18
			BW	1.03 ± 0.18	0.27 ± 0.06	1.29 ± 0.18
			D/F	0.86 ± 0.10	0.33 ± 0.05	1.19 ± 0.11
			S/Y	0.63 ± 0.10	0.33 ± 0.05	0.96 ± 0.11

Table 6. Number of predator species/plant for broccoli and cucumber (seasonal means) by year, location, and treatment. For treatment, BR = broccoli, CU = cucumber, BW = buckwheat, D/F = dill and fennel combination, Y/S = yarrow and sunflower combination, and SE = standard error. For species, *L. lin* = *Lygus lineolaris*, *O. ins* = *Orius insidiosus*, *S. inv* = *Solenopsis invicta*, *C. mac* = *Coleomegilla maculata*, *H. axy* = *Harmonia axyridis*, *C. sep* = *Coccinella septempunctata*, and *H. con* = *Hippodamia convergens*. Means within year by location followed by letters that are the same are not significantly different. ($P > 0.05$, LSD).

Crop	Year	Location	Treatment	<i>L. lin</i> /plant (mean±SE)	<i>O. ins</i> /plant (mean±SE)	<i>Geocoris</i> spp./plant (mean±SE)	Reduviidae/plant (mean±SE)	<i>Nabis</i> sp./plant (mean±SE)
Broccoli	2010	Athens	BR	NA	0.26 ± 0.07	NA	NA	NA
			BW	NA	0.24 ± 0.07	NA	NA	NA
			D/F	NA	0.15 ± 0.06	NA	NA	NA
			S/Y	NA	0.26 ± 0.07	NA	NA	NA
		Tifton	BR	0.04 ± 0.02	0.01 ± 0.01	NA	0.00 ± 0.00	0.00 ± 0.00
			BW	0.07 ± 0.03	0.00 ± 0.00	NA	0.01 ± 0.01	0.01 ± 0.01
			D/F	0.03 ± 0.01	0.00 ± 0.00	NA	0.00 ± 0.00	0.00 ± 0.00
			S/Y	0.04 ± 0.03	0.01 ± 0.01	NA	0.02 ± 0.02	0.01 ± 0.01
	2011	Athens	BR	0.08 ± 0.02	0.02 ± 0.01	0.02 ± 0.01	NA	NA
			BW	0.13 ± 0.04	0.02 ± 0.01	0.02 ± 0.01	NA	NA
			D/F	0.08 ± 0.03	0.01 ± 0.01	0.02 ± 0.01	NA	NA
			S/Y	0.08 ± 0.03	0.01 ± 0.01	0.02 ± 0.01	NA	NA
		Tifton	BR	NA	0.01 ± 0.01	0.01 ± 0.01	NA	NA
			BW	NA	0.00 ± 0.00	0.01 ± 0.01	NA	NA
			D/F	NA	0.01 ± 0.01	0.01 ± 0.01	NA	NA
			S/Y	NA	0.01 ± 0.01	0.02 ± 0.01	NA	NA

Table 6 (cont.)

Crop	Year	Location	Treatment	<i>L. lin</i> /plant (mean±SE)	<i>O. ins</i> /plant (mean±SE)	<i>Geocoris</i> spp./plant (mean±SE)	Reduviidae/plant (mean±SE)	<i>Nabis</i> sp./plant (mean±SE)
Broccoli (cont.)	2012	Tifton	BR	0.06 ± 0.02	0.01 ± 0.01	0.02 ± 0.01	0.00 ± 0.00	0.01 ± 0.01
			BW	0.04 ± 0.01	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.01 ± 0.01
			D/F	0.09 ± 0.02	0.00 ± 0.00	0.01 ± 0.01	0.00 ± 0.00	0.03 ± 0.01
			S/Y	0.05 ± 0.02	0.01 ± 0.01	0.02 ± 0.02	0.01 ± 0.01	0.01 ± 0.01
Cucumber	2010	Athens	CU	NA	0.00 ± 0.00	0.08 ± 0.03	0.00 ± 0.00	NA
			BW	NA	0.00 ± 0.00	0.07 ± 0.03	0.00 ± 0.00	NA
			D/F	NA	0.00 ± 0.00	0.03 ± 0.02	0.00 ± 0.00	NA
			S/Y	NA	0.00 ± 0.00	0.01 ± 0.01	0.08 ± 0.07	NA
	2011	Athens	CU	0.01 ± 0.01	0.04 ± 0.02	1.01 ± 0.14a	NA	NA
			BW	0.03 ± 0.02	0.11 ± 0.05	0.85 ± 0.13ab	NA	NA
			D/F	0.01 ± 0.01	0.00 ± 0.00	0.55 ± 0.11b	NA	NA
			S/Y	0.00 ± 0.00	0.08 ± 0.04	0.76 ± 0.11ab	NA	NA
		Tifton	CU	0.01±0.01	0.02 ± 0.01	0.23±0.04	0.01 ± 0.01	NA
			BW	0.00±0.00	0.02 ± 0.01	0.22±0.05	0.03 ± 0.02	NA
			D/F	0.00±0.00	0.02 ± 0.01	0.30±0.05	0.02 ± 0.01	NA
			S/Y	0.01±0.01	0.02 ± 0.01	0.31±0.05	0.00 ± 0.00	NA

Table 6. (cont.)

Crop	Year	Location	Treatment	<i>S. inv</i> /plant (mean±SE)	<i>C. mac</i> /plant (mean±SE)	<i>H. axy</i> /plant (mean±SE)	<i>C. sep</i> /plant (mean±SE)	<i>H. con</i> /plant (mean±SE)
Broccoli	2010	Athens	BR	NA	NA	0.00 ± 0.00	0.00 ± 0.00	0.31 ± 0.07a
			BW	NA	NA	0.00 ± 0.00	0.01 ± 0.01	0.08 ± 0.03b
			D/F	NA	NA	0.01 ± 0.01	0.03 ± 0.02	0.19 ± 0.06ab
			S/Y	NA	NA	0.00 ± 0.00	0.00 ± 0.00	0.21 ± 0.06ab
		Tifton	BR	0.00 ± 0.00	NA	NA	0.03 ± 0.03	0.40 ± 0.07
			BW	0.03 ± 0.02	NA	NA	0.02 ± 0.01	0.53 ± 0.09
			D/F	0.01 ± 0.01	NA	NA	0.01 ± 0.01	0.36 ± 0.07
			S/Y	0.00 ± 0.00	NA	NA	0.00 ± 0.00	0.37 ± 0.06
	2011	Athens	BR	0.00 ± 0.00	NA	NA	0.01 ± 0.01	0.07 ± 0.02
			BW	0.02 ± 0.01	NA	NA	0.00 ± 0.00	0.09 ± 0.02
			D/F	0.00 ± 0.00	NA	NA	0.00 ± 0.00	0.10 ± 0.03
			S/Y	0.04 ± 0.03	NA	NA	0.00 ± 0.00	0.10 ± 0.03
		Tifton	BR	0.02 ± 0.01	NA	0.01 ± 0.01	0.04 ± 0.02	0.23 ± 0.04
			BW	0.01 ± 0.01	NA	0.02 ± 0.01	0.05 ± 0.01	0.017 ± 0.04
			D/F	0.03 ± 0.01	NA	0.00 ± 0.00	0.06 ± 0.02	0.18 ± 0.03
			S/Y	0.09 ± 0.07	NA	0.00 ± 0.00	0.01 ± 0.01	0.23 ± 0.05
	2012	Tifton	BR	0.03 ± 0.02	0.02 ± 0.01	0.02 ± 0.01	0.01 ± 0.01	0.26 ± 0.04
			BW	0.08 ± 0.04	0.04 ± 0.01	0.02 ± 0.01	0.01 ± 0.01	0.30 ± 0.04
			D/F	0.01 ± 0.01	0.02 ± 0.01	0.01 ± 0.01	0.00 ± 0.00	0.30 ± 0.04
			S/Y	0.01 ± 0.01	0.04 ± 0.02	0.04 ± 0.01	0.01 ± 0.01	0.32 ± 0.05

Table 6. (cont.)

Crop	Year	Location	Treatment	<i>S. inv</i> /plant (mean±SE)	<i>C. mac</i> /plant (mean±SE)	<i>H. axy</i> /plant (mean±SE)	<i>C. sep</i> /plant (mean±SE)	<i>H. con</i> /plant (mean±SE)
Cucumber	2010	Athens	CU	0.00 ± 0.00	NA	0.10 ± 0.04	0.08 ± 0.03	0.11 ± 0.03
			BW	0.00 ± 0.00	NA	0.06 ± 0.03	0.05 ± 0.02	0.16 ± 0.05
			D/F	0.00 ± 0.00	NA	0.03 ± 0.02	0.04 ± 0.02	0.05 ± 0.02
			S/Y	0.08 ± 0.07	NA	0.02 ± 0.01	0.04 ± 0.02	0.10 ± 0.04
	2011	Athens	CU	0.38 ± 0.11	NA	0.03 ± 0.02	0.00 ± 0.00	0.00 ± 0.00b
			BW	0.34 ± 0.10	NA	0.00 ± 0.00	0.00 ± 0.00	0.09 ± 0.03ab
			D/F	0.18 ± 0.07	NA	0.00 ± 0.00	0.01 ± 0.01	0.15 ± 0.04a
			S/Y	0.39 ± 0.15	NA	0.00 ± 0.00	0.03 ± 0.02	0.05 ± 0.02b
		Tifton	CU	0.52 ± 0.16	NA	0.00 ± 0.00	0.03 ± 0.02	0.23 ± 0.05
			BW	0.63 ± 0.16	NA	0.00 ± 0.00	0.03 ± 0.01	0.27 ± 0.06
			D/F	0.48 ± 0.10	NA	0.02 ± 0.02	0.04 ± 0.02	0.32 ± 0.05
			S/Y	0.25 ± 0.07	NA	0.01 ± 0.01	0.00 ± 0.00	0.31 ± 0.07

Table 7. Relative abundance of each species (%) for broccoli and cucumber by year and location. For species, *L. lin* = *Lygus lineolaris*, *O. ins* = *Orius insidiosus*, *S. inv* = *Solenopsis invicta*, *C. mac* = *Coleogomegilla maculata*, *H. axy* = *Harmonia axyridis*, *C. sep* = *Coccinella septempunctata*, and *H. con* = *Hippodamia convergens*.

Crop	Year	Location	Relative abundance (%)				
			<i>L. lin</i>	<i>O. ins</i>	<i>Geocoris</i> sp.	Reduviidae	<i>Nabis</i> sp.
Broccoli	2010	Athens	NA	52.10	0.00	NA	NA
		Tifton	8.80	0.80	NA	1.30	0.80
	2011	Athens	39.80	5.40	9.00	NA	NA
		Tifton	NA	2.10	3.00	NA	NA
	2012	Tifton	13.00	0.80	2.20	0.30	3.00
Cucumber	2010	Athens	NA	0.00	13.90	19.00	NA
	2011	Athens	1.00	4.40	62.60	NA	NA
		Tifton	0.37	1.47	23.26	1.28	NA

Table 7 (cont.)

Crop	Year	Location	Relative abundance (%)				
			<i>S. inv</i>	<i>C. mac</i>	<i>H. axy</i>	<i>C. sep</i>	<i>H. con</i>
Broccoli	2010	Athens	NA	NA	0.70	2.10	45.00
		Tifton	1.70	NA	NA	2.90	83.60
	2011	Athens	6.60	NA	NA	0.60	38.60
		Tifton	12.40	NA	1.70	12.80	67.90
	2012	Tifton	6.50	5.70	4.10	1.10	63.40
Cucumber	2010	Athens	5.80	NA	15.30	15.30	30.70
	2011	Athens	25.10	NA	0.50	0.70	5.70
		Tifton	41.20	NA	0.60	2.00	24.50

Table 8. Total % predation of beet armyworm eggs/plant by 72 h after egg placement, % sucked beet armyworm eggs/plant by 72 h, and % chewed beet armyworm eggs/plant by 72 h (seasonal means) by crop, year, location, and treatment. For treatment, BR = broccoli, CU = cucumber, BW = buckwheat, D/F = dill and fennel combination, Y/S = sunflower and yarrow combination, and SE = standard error. Means within year by location followed by letters that are the same are not significantly different. ($P > 0.05$, LSD).

Crop	Year	Location	Treatment	% chewed/plant (mean $\pm$ SE)	% sucked/plant (mean $\pm$ SE)	% predation/plant (mean $\pm$ SE)
Broccoli	2010	Athens	BR	56.40 $\pm$ 6.30	28.40 $\pm$ 4.90	97.50 $\pm$ 1.70
			BW	64.80 $\pm$ 6.50	18.70 $\pm$ 4.70	94.60 $\pm$ 3.00
			D/F	73.50 $\pm$ 5.80	20.70 $\pm$ 4.40	94.20 $\pm$ 2.80
			S/Y	62.20 $\pm$ 6.30	23.60 $\pm$ 4.60	91.10 $\pm$ 3.40
		Tifton	BR	24.40 $\pm$ 3.70	38.40 $\pm$ 3.90	62.90 $\pm$ 3.90
			BW	26.60 $\pm$ 3.90	42.10 $\pm$ 3.80	68.30 $\pm$ 3.40
			D/F	28.50 $\pm$ 4.10	39.20 $\pm$ 4.10	67.70 $\pm$ 4.00
			S/Y	24.80 $\pm$ 3.90	40.70 $\pm$ 3.80	65.20 $\pm$ 3.40
	2011	Athens	BR	17.50 $\pm$ 3.00	25.60 $\pm$ 2.80	43.10 $\pm$ 3.40
			BW	21.90 $\pm$ 3.30	26.30 $\pm$ 2.60	48.20 $\pm$ 3.70
			D/F	17.40 $\pm$ 3.10	21.50 $\pm$ 2.10	38.90 $\pm$ 3.20
			S/Y	17.00 $\pm$ 2.90	30.20 $\pm$ 2.80	47.10 $\pm$ 3.30
		Tifton	BR	16.90 $\pm$ 2.90	17.10 $\pm$ 3.20	34.00 $\pm$ 3.70
			BW	11.60 $\pm$ 2.30	12.50 $\pm$ 2.40	24.00 $\pm$ 3.00
			D/F	17.10 $\pm$ 2.40	18.50 $\pm$ 3.40	35.60 $\pm$ 3.80
			S/Y	16.20 $\pm$ 2.30	16.50 $\pm$ 2.60	32.80 $\pm$ 2.90

Table 8 (cont.)

Crop	Year	Location	Treatment	% chewed/plant (mean±SE)	% sucked/plant (mean±SE)	% predation/plant (mean±SE)
Cucumber	2012	Tifton	BR	23.30 ± 2.50	15.50 ± 1.80	41.40 ± 2.90
			BW	20.90 ± 2.40	14.40 ± 1.70	38.80 ± 2.90
			D/F	24.10 ± 2.60	12.30 ± 1.40	39.90 ± 2.90
			S/Y	24.60 ± 2.60	11.00 ± 1.50	39.70 ± 3.00
	2010	Athens	CU	74.40 ± 4.70	25.40 ± 4.60	99.80 ± 0.10
			BW	69.10 ± 5.10	30.70 ± 5.10	99.70 ± 0.20
			D/F	69.80 ± 5.10	26.80 ± 5.00	96.60 ± 1.90
			S/Y	74.70 ± 4.80	25.00 ± 4.80	99.70 ± 0.20
		Athens	CU	61.90 ± 5.00	9.70 ± 2.60	95.50 ± 1.90
			BW	64.10 ± 5.10	7.50 ± 2.50	94.30 ± 2.60
			D/F	62.20 ± 5.00	10.10 ± 2.70	96.40 ± 1.40
			S/Y	54.30 ± 5.20	9.50 ± 2.70	85.00 ± 4.20
	2011	Tifton	CU	62.80±5.50	18.40±4.00b	81.20±4.80
			BW	52.20±6.10	20.40±3.90b	72.60±5.40
			D/F	42.10±6.40	34.70±5.80a	76.80±5.10
			S/Y	54.10±6.20	24.50±4.50ab	78.40±4.80

Table 9. Cucumber fruit diameter/plant (cm) by year, location, harvest and treatment. Where present, the same letters following means within rows signify means that are not significantly different. ($P > 0.05$, LSD).

Year	Location	Harvest	Flower treatment (no. of fruits/plant)			
			Cucumber	Buckwheat	Dill/Fennel	Sunflower/Yarrow
2010	Athens	1	10.93 ± 7.70 (3)	10.95 ± 6.65 (3)	17.70 ± 5.46 (5)	16.06 ± 5.61 (5)
		2	39.25 ± 5.16 (9)	40.16 ± 7.40 (9)	30.19 ± 8.44 (7)	44.12 ± 9.02 (10)
		3	46.04 ± 6.92 (10)	33.69 ± 6.56 (7)	29.02 ± 5.05 (6)	28.13 ± 3.98 (6)
		4	58.17±3.21 (10)	70.78±5.84 (12)	43.24±5.19 (8)	61.50±1.29 (11)
2011	Athens	1	33.18 ± 4.28 (8)	42.30 ± 5.95 (8)	30.46 ± 4.89 (7)	47.33 ± 1.64 (7)
		2	57.10 ± 2.54 (11)	52.31 ± 1.27 (9)	83.09 ± 19.60 (11)	57.23 ± 7.75 (10)
	Tifton	1	55.67 ± 8.99 (14)	50.39 ± 9.44 (13)	55.57 ± 5.52 (14)	48.92 ± 5.80 (12)
		2	246.04 ± 3.35 (65)	260.79 ± 9.57 (66)	190.43 ± 4.65 (48)	251.26 ± 12.7 (57)
		3	140.28 ± 5.66 (31)	175.35 ± 9.49 (40)	184.12 ± 15.80 (42)	168.72 ± 6.75 (38)

Fig. 4. Percent predation of beet armyworm eggs/plant by 24, 48, and 72 hrs after placement in broccoli for each treatment, location and year. The bars on the points are SEM bars.

Fig. 5. Percent predation of beet armyworm eggs/plant by 24, 48, and 72 hrs after placement in cucumber for each treatment and year in Athens. The bars on the points are SEM bars.

Figure 4

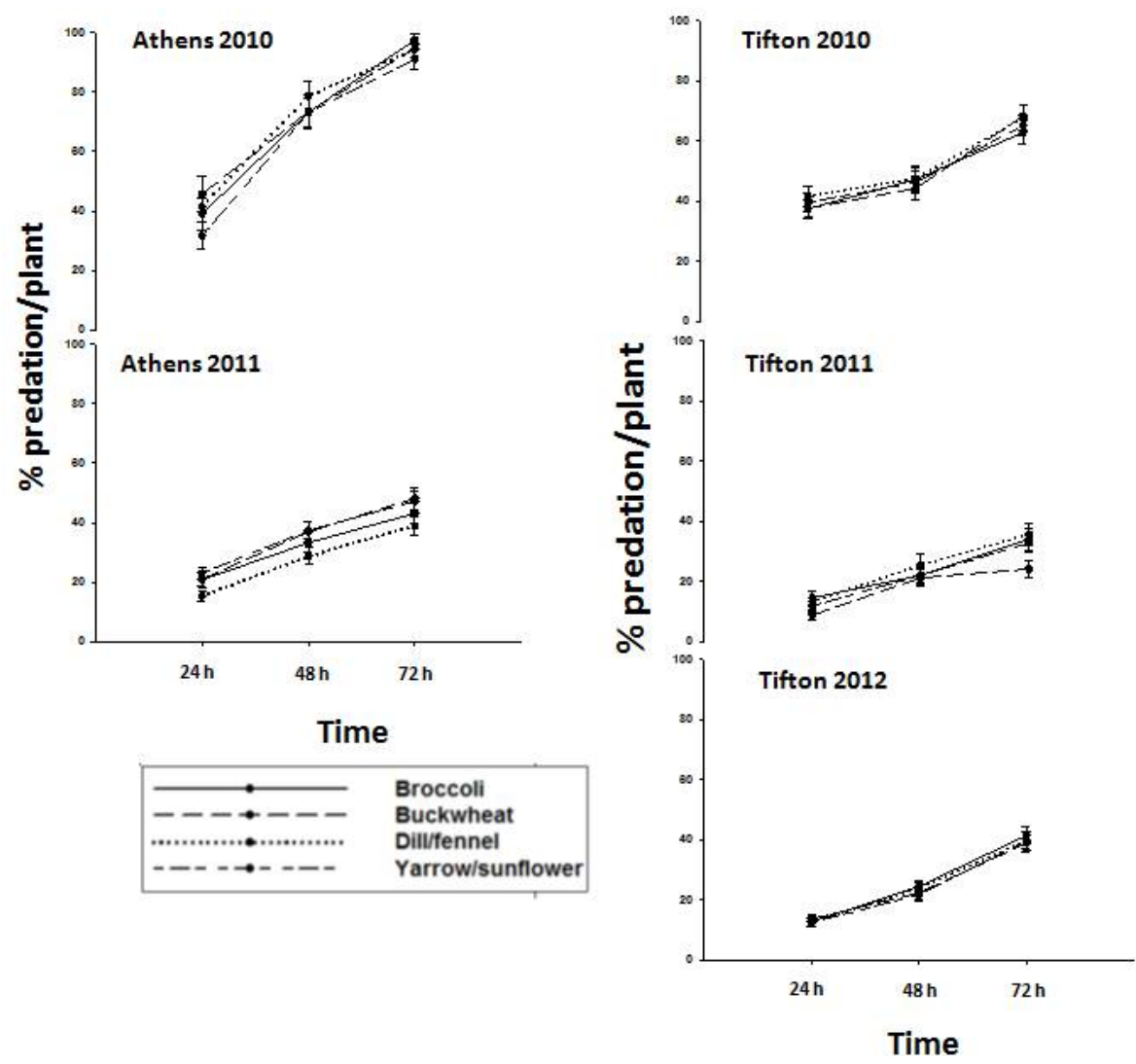
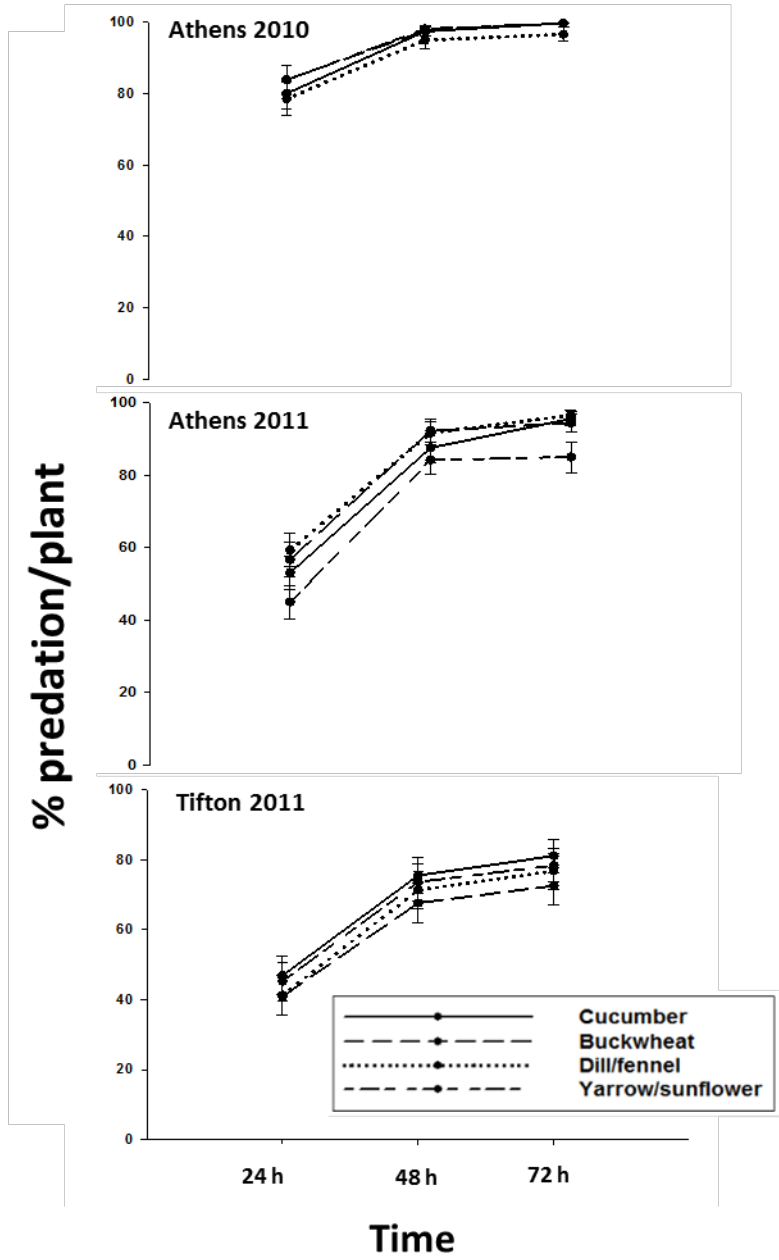


Figure 5



Appendices

Table A1. Broccoli head diameter/plant (cm) by year, location, harvest and treatment. Where present, the same letters following means within rows signify means that are not significantly different. ($P > 0.05$, LSD).

Year	Location	Harvest no.	Flower treatment (no. plants)			
			Broccoli	Buckwheat	Dill/Fennel	Sunflower/Yarrow
2010	Athens	1	10.7 ± 0.55 (93)	10.7 ± 0.46 (84)	9.2 ± 0.41 (83)	10.5 ± 0.52 (71)
		2	9.1 ± 0.53 (68)	8.0 ± 0.33 (62)	9.3 ± 0.42 (64)	9.3 ± 0.32 (79)
		3	8.3 ± 0.46 (81)	7.8 ± 0.38 (80)	7.8 ± 0.46 (66)	7.9 ± 0.32 (89)
		4	7.3 ± 0.40 (56)	6.6 ± 0.36 (55)	6.3 ± 0.35 (56)	8.4 ± 0.49 (70)
	Tifton	1	9.5 ± 0.32 (92)	9.0 ± 0.29 (90)	9.3 ± 0.26 (91)	9.3 ± 0.32 (91)
		2	8.7 ± 0.32 (95)	8.5 ± 0.23 (95)	9.0 ± 0.27 (96)	8.4 ± 0.29 (94)
		3	5.3 ± 0.17 (96)	5.5 ± 0.17 (96)	10.2 ± 4.84 (96)	5.1 ± 0.13 (96)
2011	Athens	1	8.7 ± 0.19 (22)	8.6 ± 0.17 (23)	9.0 ± 0.36 (14)	8.6 ± 0.18 (25)
		2	10.3 ± 0.16 (63)	10.0 ± 0.17 (72)	11.4 ± 0.36 (25)	10.0 ± 0.19 (75)
	Tifton	1	16.0 ± 0.43 (48)	16.2 ± 0.42 (48)	16.7 ± 0.43 (48)	17.1 ± 0.52 (48)
		2	12.6 ± 0.34 (96)	11.7 ± 0.36 (96)	12.0 ± 0.31 (96)	24.9 ± 13.25 (96)
		3	7.5 ± 0.20 (82)	8.8 ± 0.27 (83)	8.4 ± 0.26 (86)	8.9 ± 0.19 (91)

4	8.5 ± 0.61 ab (19)	8.3 ± 0.37 b (26)	7.4 ± 0.32 c (45)	9.0 ± 0.43 a (21)
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Table A1 (cont.)

Year	Location	Harvest no.	Flower treatment (no. plants)			
			Broccoli	Buckwheat	Dill/Fennel	Sunflower/Yarrow
2012	Tifton	1	13.2 ± 0.43 (95)	12.5 ± 0.54 (71)	12.4 ± 0.41 (92)	11.5 ± 0.46 (94)
		2	11.9 ± 0.34 (96)	11.2 ± 0.31 (95)	11.1 ± 0.35 (96)	11.0 ± 0.28 (96)

Table A2. Total *Pieris rapae* and *Plutella xylostella* (larva and pupa) density (the whole seasonal mean) by host, year, location and treatment. For treatment, BR = broccoli, BW = buckwheat, D/F = dill and fennel combination, S/Y = sunflower and yarrow combination, and SE = standard error. Means within year by location followed by letters that are the same are not significantly different. ($P > 0.05$, LSD)

Host	Year	Location	Treatment	<i>P. rapae</i> /plant (mean±SE)	<i>P. xylostella</i> /plant (mean±SE)
Larva	2010	Athens	BR	0.40 ± 0.10	1.10 ± 0.10
			BW	0.70 ± 0.20	0.90 ± 0.20
			D/F	0.80 ± 0.10	1.20 ± 0.20
			S/Y	0.70 ± 0.30	1.10 ± 0.20
		Tifton	BR	0.30 ± 0.10	2.40 ± 0.40
			BW	0.30 ± 0.10	2.30 ± 0.20
			D/F	0.30 ± 0.00	2.10 ± 0.20
			S/Y	0.30 ± 0.00	1.70 ± 0.20
	2011	Athens	BR	1.50 ± 0.30	0.30 ± 0.00b
			BW	1.30 ± 0.30	0.40 ± 0.10b
			D/F	1.50 ± 0.20	0.40 ± 0.10b
			S/Y	1.10 ± 0.20	0.50 ± 0.10a
		Tifton	BR	0.40 ± 0.10a	1.10 ± 0.20
			BW	0.30 ± 0.00b	1.10 ± 0.20
			D/F	0.20 ± 0.00b	1.00 ± 0.20
			S/Y	0.30 ± 0.00b	0.70 ± 0.10
	2012	Tifton	BR	4.80 ± 0.70	0.30 ± 0.00
			BW	4.90 ± 0.70	0.30 ± 0.00
			D/F	4.80 ± 0.80	0.40 ± 0.10
			S/Y	5.20 ± 0.70	0.70 ± 0.10

Table A2 (cont.)

Host	Year	Location	Treatment	<i>P. rapae</i> /plant (mean±SE)	<i>P. xylostella</i> /plant (mean±SE)
Pupa	2010	Athens	BR	NA	NA
			BW	NA	NA
			D/F	NA	NA
			S/Y	NA	NA
		Tifton	BR	0.20 ± 0.00	0.70 ± 0.10
			BW	0.20 ± 0.00	0.70 ± 0.10
			D/F	NA	0.70 ± 0.10
			S/Y	NA	0.80 ± 0.10
	2011	Athens	BR	0.50 ± 0.10	NA
			BW	0.60 ± 0.10	NA
			D/F	0.50 ± 0.10	NA
			S/Y	0.50 ± 0.10	NA
		Tifton	BR	0.40 ± 0.20	0.30 ± 0.00
			BW	0.20 ± 0.00	0.30 ± 0.10
			D/F	0.20 ± 0.00	0.30 ± 0.00
			S/Y	0.20 ± 0.00	0.40 ± 0.10
	2012	Tifton	BR	2.90 ± 0.40	0.40 ± 0.00
			BW	2.60 ± 0.30	0.30 ± 0.10
			D/F	2.70 ± 0.40	0.40 ± 0.10
			S/Y	2.60 ± 0.40	0.30 ± 0.10

Table A3. Treatment ANOVA table for total % predation of beet armyworm eggs/plant by 72 h following egg placement, % sucked beet armyworm eggs/plant by 72 h, and % chewed of beet armyworm eggs/plant by 72 h, by crop, year, and location. P value followed by * is significant at $\alpha = 0.05$.

Crop/variable	Year	Location	DF	SS	Mean Square	F Value	Pr > F
Broccoli (chewed)	2010	Athens	3,9	0.48	0.16	0.44	0.73
		Tifton	3,9	0.11	0.04	0.21	0.89
	2011	Athens	3,9	0.28	0.09	0.61	0.63
		Tifton	3,9	0.36	0.12	1.40	0.31
	2012	Tifton	3,9	0.28	0.09	0.59	0.64
Cucumber (chewed)	2010	Athens	3,9	0.34	0.11	0.19	0.90
	2011	Athens	3,9	0.94	0.31	1.51	0.28
		Tifton	3,9	2.41	0.80	2.78	0.10
Broccoli (sucked)	2010	Athens	3,9	0.62	0.21	0.81	0.52
		Tifton	3,9	0.09	0.03	0.10	0.96
	2011	Athens	3,9	0.65	0.22	1.87	0.20
		Tifton	3,9	0.31	0.10	0.67	0.59
	2012	Tifton	3,9	0.59	0.20	1.90	0.20
Cucumber (sucked)	2010	Athens	3,9	0.17	0.06	0.08	0.97
	2011	Athens	3,9	0.13	0.04	0.45	0.72

Tifton	3,9	1.73	0.58	3.77	0.05
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Table A3 (cont.)

Crop/variable	Year	Location	DF	SS	Mean Square	F Value	Pr > F
Broccoli (all predation)	2010	Athens	3,9	0.27	0.09	1.24	0.35
		Tifton	3,9	0.34	0.11	1.92	0.20
	2011	Athens	3,9	0.99	0.33	1.23	0.35
		Tifton	3,9	1.12	0.37	2.05	0.18
	2012	Tifton	3,9	0.38	0.13	0.58	0.64
Cucumber (all predation)	2010	Athens	3,9	0.19	0.06	2.44	0.13
	2011	Athens	3,9	1.26	0.42	1.62	0.25
		Tifton	3,9	0.60	0.20	0.53	0.67