

Table 5. Location of the first sympodium on plant main stem, as affected by planting date, thinning time and fertilization splitting in 2008 & 2009 seasons.

Planting date	Fert.sp. Thinning	Sp ₁		Sp ₂		Sp ₃		Sp ₄		Mean	
		2008									
1/3	Th ₁	6.92	D-F	6.33	E-J	6.17	F-K	5.67	I-L	6.27	f
	Th ₂	6.33	E-J	5.50	J-L	5.42	KL	5.17	L	5.60	h
	Mean	6.63	E	5.92	FG	5.79	FG	5.42	G	5.94	d
15/3	Th ₁	7.08	DE	6.17	F-K	6.00	G-L	5.92	H-L	6.29	f
	Th ₂	6.92	D-F	5.92	H-L	5.67	I-L	5.25	L	5.94	g
	Mean	7.00	DE	6.04	F	5.83	FG	5.58	FG	6.12	d
1/4	Th ₁	7.33	D	7.33	D	6.75	D-H	6.42	E-I	6.96	e
	Th ₂	7.50	D	7.08	DE	7.00	D-F	6.83	D-G	7.10	de
	Mean	7.42	D	7.21	DE	6.88	DE	6.63	E	7.03	c
15/4	Th ₁	7.50	D	7.33	D	7.17	DE	7.08	DE	7.27	d
	Th ₂	8.67	BC	7.58	D	7.33	D	7.17	DE	7.69	c
	Mean	8.08	C	7.46	D	7.25	D	7.13	DE	7.48	b
1/5	Th ₁	9.17	A-C	9.08	A-C	8.75	A-C	8.33	C	8.83	b
	Th ₂	9.58	A	9.50	AB	9.42	AB	8.92	A-C	9.35	a
	Mean	9.38	A	9.29	A	9.08	AB	8.63	B	9.09	a
Mean	Th ₁	7.60	A	7.25	B	6.97	BC	6.68	C	7.13	
	Th ₂	7.80	A	7.12	B	6.97	BC	6.67	C	7.14	
	Mean	7.70	a	7.18	B	6.97	b	6.68	c	7.13	
2009											
1/3	Th ₁	6.75	H-M	6.17	L-O	5.92	N-Q	5.42	P-R	6.06	f
	Th ₂	5.67	O-R	5.42	P-R	5.33	QR	5.17	R	5.40	g
	Mean	6.21	F-H	5.79	HI	5.63	IJ	5.29	J	5.73	d
15/3	Th ₁	7.17	G-K	6.50	J-N	6.50	K-N	6.25	L-O	6.60	de
	Th ₂	7.42	F-H	6.50	K-N	6.08	M-P	5.75	O-R	6.44	e
	Mean	7.29	C	6.50	EF	6.29	E-G	6.00	G-I	6.52	c
1/4	Th ₁	7.25	G-J	6.67	I-M	6.67	I-M	6.08	M-P	6.67	de
	Th ₂	7.67	E-G	6.83	H-L	6.67	I-M	6.50	K-N	6.92	d
	Mean	7.46	C	6.75	DE	6.67	D-F	6.29	E-G	6.79	c
15/4	Th ₁	8.00	B-D	7.92	D-F	7.00	G-K	6.75	H-M	7.42	c
	Th ₂	8.25	DE	8.25	DE	8.00	C-E	7.33	F-I	7.96	b
	Mean	8.13	B	8.08	B	7.50	C	7.04	CD	7.69	b
1/5	Th ₁	9.58	A	9.42	A	9.08	AB	8.92	A-C	9.25	a
	Th ₂	9.58	A	9.50	A	9.33	A	9.33	A	9.44	a
	Mean	9.58	A	9.46	A	9.21	A	9.13	A	9.34	a
Mean	Th ₁	7.83	A	7.33	B	7.03	CD	6.68	E	7.22	
	Th ₂	7.63	A	7.30	BC	7.08	B-D	6.82	DE	7.21	
	Mean	7.73	a	7.32	b	7.06	c	6.75	d	7.22	

P = Planting dates : **a, b, c..**
 TH= Thinning time : -
 Sp = Fertilization splitting : a, b, c..

P × TH : **a, b, c..**
 P × Sp : **A, B, C..**
 TH × Sp : **A, B, C..**

P × TH × Sp : A, B, C..

Table 6. Number of open bolls/plant, as affected by planting date, thinning time and fertilization splitting in 2008 & 2009 seasons.

Planting date	Fert.sp.	Sp ₁	Sp ₂	Sp ₃	Sp ₄	Mean					
	Thinning										
2008											
1/3	Th ₁	17.17	G	18.00	EF	19.08	CD	19.58	BC	18.46	b
	Th ₂	19.17	CD	19.58	BC	20.00	B	21.33	A	20.02	a
	Mean	18.17	D	18.79	C	19.54	B	20.46	A	19.24	a
15/3	Th ₁	14.17	I	16.92	G	17.08	G	17.17	G	16.33	d
	Th ₂	15.92	H	17.33	FG	17.42	FG	18.42	DE	17.27	c
	Mean	15.04	F	17.13	E	17.25	E	17.79	D	16.80	b
1/4	Th ₁	12.58	K	12.67	K	12.83	JK	12.83	JK	12.73	e
	Th ₂	11.50	L	12.58	K	12.83	JK	13.50	IJ	12.60	e
	Mean	12.04	H	12.63	G	12.83	G	13.17	G	12.67	c
15/4	Th ₁	10.08	M-O	10.17	MN	10.17	MN	10.25	M	10.17	f
	Th ₂	9.25	O-Q	9.75	M-Q	10.00	M-P	10.08	M-O	9.77	g
	Mean	9.67	IJK	9.96	IJ	10.08	I	10.17	I	9.97	d
1/5	Th ₁	9.08	Q	9.33	N-Q	9.58	M-Q	9.67	M-Q	9.42	gh
	Th ₂	9.17	PQ	9.17	PQ	9.33	N-Q	9.58	M-Q	9.31	h
	Mean	9.13	K	9.25	K	9.46	JK	9.63	IJK	9.37	e
Mean	Th ₁	12.62	E	13.42	C	13.75	BC	13.90	B	13.42	
	Th ₂	13.00	D	13.68	BC	13.92	B	14.58	A	13.80	
	Mean	12.81	d	13.55	c	13.83	b	14.24	a	13.61	
2009											
1/3	Th ₁	18.17	G	18.58	EF	18.92	CD	19.92	BC	18.90	b
	Th ₂	19.17	CD	19.83	BC	20.00	B	20.17	A	19.79	a
	Mean	18.67	C	19.21	B	19.46	B	20.04	A	19.34	a
15/3	Th ₁	14.67	I	15.83	G	16.25	G	16.33	G	15.77	c
	Th ₂	14.58	H	15.92	FG	16.67	FG	17.17	DE	16.08	c
	Mean	14.63	F	15.88	E	16.46	D	16.75	D	15.93	b
1/4	Th ₁	12.17	K	12.58	K	13.00	JK	13.50	JK	12.81	d
	Th ₂	11.83	L	12.67	K	13.00	JK	13.50	IJ	12.75	d
	Mean	12.00	I	12.63	H	13.00	GH	13.50	G	12.78	c
15/4	Th ₁	9.75	M-O	10.00	MN	10.58	MN	10.67	M	10.25	e
	Th ₂	9.83	O-Q	9.83	M-Q	10.00	M-P	10.25	M-O	9.98	e
	Mean	9.79	KL	9.92	KL	10.29	JK	10.46	J	10.12	d
1/5	Th ₁	9.08	Q	9.08	N-Q	9.67	M-Q	9.92	M-Q	9.44	f
	Th ₂	8.92	PQ	9.25	PQ	9.33	N-Q	9.33	M-Q	9.21	f
	Mean	9.00	N	9.17	MN	9.50	L-N	9.63	LM	9.32	e
Mean	Th ₁	12.77	D	13.22	C	13.68	B	14.07	A	13.43	
	Th ₂	12.87	D	13.50	BC	13.80	AB	14.08	A	13.56	
	Mean	12.82	d	13.36	c	13.74	b	14.08	a	13.50	

P = Planting dates : **a, b, c..**
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P × TH : **a, b, c..**
 P × Sp : **A, B, C..**
 TH × Sp : **A, B, C..**

P × TH × Sp : A, B, C..

Table 7. Weight seed cotton per boll, in gram, as affected by planting date, thinning time and fertilization splitting in 2008 & 2009 seasons.

Planting date	Fert.sp. Thinning	Sp ₁	Sp ₂	Sp ₃	Sp ₄	Mean					
2008											
1/3	Th ₁	2.36	B-I	2.40	B-G	2.53	A-E	2.54	A-D	2.46	b
	Th ₂	2.45	A-F	2.56	A-C	2.54	A-D	2.66	A	2.55	a
	Mean	2.40	B-E	2.48	A-C	2.53	AB	2.60	A	2.51	a
15/3	Th ₁	2.19	F-M	2.25	F-L	2.24	F-L	2.31	C-J	2.25	cd
	Th ₂	2.29	D-J	2.34	B-I	2.38	B-H	2.59	AB	2.40	b
	Mean	2.24	E-G	2.29	D-F	2.31	C-F	2.45	A-D	2.32	b
1/4	Th ₁	2.30	C-J	2.31	C-J	2.33	B-H	2.35	B-H	2.32	c
	Th ₂	2.09	I-O	2.27	E-K	2.31	C-J	2.45	A-F	2.28	c
	Mean	2.19	FG	2.29	D-F	2.32	C-F	2.40	B-E	2.30	b
15/4	Th ₁	2.16	G-M	2.17	G-M	2.17	G-M	2.17	G-M	2.17	d
	Th ₂	1.88	NO	2.02	K-O	2.06	J-O	2.14	H-N	2.02	e
	Mean	2.02	H-J	2.09	G-I	2.11	G-I	2.15	F-H	2.09	c
1/5	Th ₁	1.85	O	1.90	NO	1.97	M-O	1.97	M-O	1.92	f
	Th ₂	1.89	NO	1.89	NO	1.94	M-O	1.99	L-O	1.93	f
	Mean	1.87	J	1.89	J	1.95	IJ	1.98	IJ	1.92	d
Mean	Th ₁	2.17	BC	2.20	BC	2.25	B	2.27	AB	2.22	
	Th ₂	2.12	C	2.22	BC	2.25	B	2.37	A	2.24	
	Mean	2.14	c	2.21	bc	2.25	b	2.32	a	2.23	
2009											
1/3	Th ₁	2.50	C-G	2.61	A-E	2.62	A-E	2.70	A-D	2.61	b
	Th ₂	2.70	A-D	2.74	A-C	2.77	AB	2.80	A	2.75	a
	Mean	2.60	A-C	2.67	AB	2.70	A	2.75	A	2.68	a
15/3	Th ₁	2.27	G-L	2.43	E-I	2.47	D-H	2.49	C-H	2.41	c
	Th ₂	2.26	G-L	2.42	E-I	2.52	B-G	2.57	A-F	2.44	c
	Mean	2.26	F-H	2.43	D-F	2.49	C-E	2.53	B-D	2.43	b
1/4	Th ₁	2.23	H-M	2.27	G-L	2.34	F-J	2.44	E-I	2.32	d
	Th ₂	2.15	J-O	2.29	G-K	2.34	F-J	2.43	E-I	2.30	d
	Mean	2.19	G-I	2.28	F-H	2.34	E-G	2.44	C-F	2.31	c
15/4	Th ₁	1.98	M-P	2.06	K-P	2.26	G-L	2.29	G-K	2.14	e
	Th ₂	2.02	L-P	2.07	K-P	2.07	K-P	2.18	I-N	2.09	e
	Mean	2.00	JK	2.07	IJ	2.16	HI	2.24	GH	2.12	d
1/5	Th ₁	1.87	P	1.87	P	1.95	N-P	2.07	K-P	1.94	f
	Th ₂	1.83	P	1.88	P	1.89	OP	1.91	OP	1.88	g
	Mean	1.85	K	1.87	K	1.92	JK	1.99	JK	1.91	e
Mean	Th ₁	2.17	E	2.25	C-E	2.33	A-C	2.39	A	2.28	
	Th ₂	2.19	DE	2.28	B-D	2.32	A-C	2.38	AB	2.29	
	Mean	2.18	c	2.26	b	2.32	ab	2.39	a	2.29	

P = Planting dates : **a, b, c..**
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 Sp = Fertilization splitting : a, b, c..

P × TH : **a, b, c..**
 P × Sp : **A, B, C..**
 TH × Sp : **A, B, C..**

P × TH × Sp : **A, B, C..**

Table 8. Seed cotton yield of Kentar/fed., as affected by planting date, thinning time and fertilization splitting 2008 & 2009 seasons.

Planting date	Fert.sp. Thinning	Sp ₁	Sp ₂	Sp ₃	Sp ₄	Mean					
2008											
1/3	Th ₁	6.36	D-F	6.57	C-E	6.96	B-D	7.17	BC	6.77	b
	Th ₂	6.77	B-D	7.23	B	7.31	B	8.14	A	7.36	a
	Mean	6.57	CD	6.90	BC	7.13	B	7.66	A	7.06	a
15/3	Th ₁	4.54	K	5.54	GH	5.55	GH	5.76	GH	5.35	d
	Th ₂	5.29	HIJ	5.87	F-H	6.01	E-G	6.86	B-D	6.01	c
	Mean	4.92	F	5.71	E	5.78	E	6.31	D	5.68	b
1/4	Th ₁	4.76	I-K	4.82	I-K	4.87	I-K	4.91	I-K	4.84	e
	Th ₂	3.97	L	4.68	JK	4.89	I-K	5.36	HI	4.73	e
	Mean	4.37	G	4.75	FG	4.88	F	5.13	F	4.78	c
15/4	Th ₁	3.63	L-N	3.69	LM	3.66	L-N	3.70	LM	3.67	f
	Th ₂	2.94	P	3.30	M-P	3.45	L-P	3.59	L-O	3.32	G
	Mean	3.28	H-K	3.49	H-J	3.56	HI	3.65	H	3.49	d
1/5	Th ₁	2.84	P	2.97	OP	3.15	M-P	3.20	M-P	3.04	h
	Th ₂	2.90	P	2.92	P	3.04	N-P	3.18	M-P	3.01	h
	Mean	2.87	K	2.94	K	3.10	JK	3.19	I-K	3.02	e
Mean	Th ₁	4.43	C	4.72	B	4.84	B	4.95	B	4.73	
	Th ₂	4.38	C	4.80	B	4.94	B	5.43	A	4.89	
	Mean	4.40	c	4.76	b	4.89	b	5.19	a	4.81	
2009											
1/3	Th ₁	6.53	DE	6.98	CD	7.15	C	7.72	AB	7.09	b
	Th ₂	7.44	BC	7.80	AB	7.94	AB	8.09	A	7.82	a
	Mean	6.98	B	7.39	AB	7.55	AB	7.90	A	7.46	a
15/3	Th ₁	4.96	JK	5.93	F-H	5.73	G-I	6.03	E-H	5.66	c
	Th ₂	4.99	JK	5.77	G-I	6.20	E-G	6.48	D-F	5.86	c
	Mean	4.97	D	5.85	C	5.96	C	6.25	C	5.76	b
1/4	Th ₁	5.04	JK	5.32	I-K	4.80	KL	5.09	JK	5.06	d
	Th ₂	4.37	LM	4.93	JK	5.51	H-J	5.21	I-K	5.00	d
	Mean	4.70	D	5.12	D	5.16	D	5.15	D	5.03	c
15/4	Th ₁	3.79	M-P	3.96	M-O	3.93	M-O	4.04	MN	3.93	e
	Th ₂	3.48	N-R	3.62	N-R	3.82	M-P	3.85	M-P	3.69	e
	Mean	3.64	E-G	3.79	E-G	3.88	EF	3.94	E	3.81	d
1/5	Th ₁	3.13	QR	3.14	QR	3.42	O-R	3.68	N-Q	3.34	f
	Th ₂	3.03	R	3.19	PQ	3.26	P-R	3.28	P-R	3.19	f
	Mean	3.08	G	3.17	FG	3.34	E-G	3.48	E-G	3.27	e
Mean	Th ₁	4.69	C	5.07	B	5.01	B	5.31	A	5.02	
	Th ₂	4.66	C	5.06	B	5.35	A	5.38	A	5.11	
	Mean	4.67	c	5.06	b	5.18	b	5.35	a	5.07	

P = Planting dates : **a, b, c..**
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P × TH : **a, b, c..**
 P × Sp : **A, B, C..**
 TH × Sp : **A, B, C..**

P × TH × Sp : A, B, C..