

Table 4 Specific combining ability effects of hybrids in respect of kapas yield and their attributing characters in cotton (*G. hirsutum* L.)

Crosses	Days to 50% flowering	Plant height (cm)	Monopodia per plant	Sympodia per plant	Bolls per plant	Mean boll weight(g)	Kapas yield (g/plant)	Ginning percent	Seed index (g)	Lint index (g)
1	2	3	4	5	6	7	8	9	10	11
(L <sub>1</sub> T <sub>1</sub> )	0.93	-3.59	0.19	-1.07	0.33	-0.04	2.20	-1.55	0.17	-0.21
(L <sub>1</sub> T <sub>2</sub> )	0.76	1.42	0.14	-3.97	-5.30 *	0.12	-19.59 *	-0.40	0.58	0.18
(L <sub>1</sub> T <sub>3</sub> )	-0.07	2.66	0.07	1.04	-1.65	-0.17	-7.27	0.01	-0.17	-0.06
(L <sub>1</sub> T <sub>4</sub> )	-1.16	5.36	-0.18	2.82	-4.57	-0.22	-12.70	-0.99	-0.08	-0.23
(L <sub>1</sub> T <sub>5</sub> )	1.09	0.41	-0.12	1.21	-2.63	0.02	-7.33	-3.42	0.25	-0.67
(L <sub>1</sub> T <sub>6</sub> )	0.51	-9.77	-0.26	-0.96	9.07 **	-0.05	30.53 **	0.56	0.00	0.06
(L <sub>1</sub> T <sub>7</sub> )	-1.24	13.36	0.39	1.83	3.93	0.29	7.24	-0.10	0.33	0.14
(L <sub>1</sub> T <sub>8</sub> )	-0.82	-9.84	-0.22	-0.89	0.82	0.06	6.93	5.88 *	-1.08	0.80
(L <sub>2</sub> T <sub>1</sub> )	-1.76	-12.69	0.29	-1.93	0.03	-0.07	1.17	0.18	-0.30	-0.09
(L <sub>2</sub> T <sub>2</sub> )	1.07	1.13	-0.02	-0.58	-1.90	-0.04	-14.18	-3.00	-0.39	-0.68
(L <sub>2</sub> T <sub>3</sub> )	-1.26	7.36	0.11	-1.01	4.35	0.17	19.69 *	0.33	0.36	0.30
(L <sub>2</sub> T <sub>4</sub> )	2.16	7.46	0.36	0.77	-5.77 *	0.05	-8.45	1.16	0.45	0.49
(L <sub>2</sub> T <sub>5</sub> )	-2.09	-4.79	-0.26	0.15	-1.13	-0.19	-1.54	0.90	0.03	0.15
(L <sub>2</sub> T <sub>6</sub> )	0.32	0.02	0.38	0.49	2.47	0.23	17.27	0.45	0.03	0.01
(L <sub>2</sub> T <sub>7</sub> )	1.57	-0.14	-0.37	0.77	0.23	-0.25	-7.73	-1.78	-0.39	-0.63
(L <sub>2</sub> T <sub>8</sub> )	-0.01	1.66	-0.48 *	1.35	1.72	0.10	-6.23	1.76	0.20	0.45
(L <sub>3</sub> T <sub>1</sub> )	1.68	14.50	-0.11	2.35	-3.04	-0.07	-0.65	-0.47	0.32	0.10
(L <sub>3</sub> T <sub>2</sub> )	0.51	-6.39	0.13	-1.75	2.43	-0.14	-8.28	3.52	-0.26	0.63
(L <sub>3</sub> T <sub>3</sub> )	1.68	4.35	-0.23	1.17	-2.23	-0.01	-3.21	0.89	-0.76	-0.14
(L <sub>3</sub> T <sub>4</sub> )	-0.41	-2.85	-0.18	-0.15	7.26 **	0.21	16.70	-1.46	-0.18	-0.36
(L <sub>3</sub> T <sub>5</sub> )	-1.16	6.00	-0.01	-0.07	-2.31	-0.06	-2.20	1.85	-0.09	0.35
(L <sub>3</sub> T <sub>6</sub> )	-2.24	13.51	0.03	2.47	3.49	0.01	11.89	-2.35	0.16	-0.53
(L <sub>3</sub> T <sub>7</sub> )	-0.99	-5.85	0.18	1.05	-0.74	0.10	7.92	0.59	-0.26	-0.03
(L <sub>3</sub> T <sub>8</sub> )	0.93	-23.25 *	0.18	-5.07 *	-4.86	-0.03	-22.17 *	-2.56	1.07	-0.01
(L <sub>4</sub> T <sub>1</sub> )	-0.76	-12.74	-0.51 *	-1.21	-5.65 *	-0.26	-23.65 **	-0.60	-0.15	-0.32
(L <sub>4</sub> T <sub>2</sub> )	-0.93	-13.43	-0.07	1.49	-1.69	0.21	-16.15	0.64	-0.23	0.00
(L <sub>4</sub> T <sub>3</sub> )	-0.76	-4.99	0.17	0.30	2.56	-0.15	7.31	0.82	-0.48	-0.15
(L <sub>4</sub> T <sub>4</sub> )	1.16	-0.49	0.02	-0.81	4.75	0.01	9.66	2.06	0.35	0.67
(L <sub>4</sub> T <sub>5</sub> )	1.41	-4.74	-0.31	-2.73	0.78	0.10	6.21	1.51	0.19	0.54
(L <sub>4</sub> T <sub>6</sub> )	0.32	15.37	0.13	-0.80	-4.62	0.30	-10.26	-2.15	0.19	-0.44
(L <sub>4</sub> T <sub>7</sub> )	0.07	10.41	0.18	1.59	3.05	-0.02	15.05	1.63	0.52	0.73

Continuing table 4

Crosses	Days to 50% flowering	Plant height (cm)	Monopodia per plant	Sympodia per plant	Bolls per plant	Mean boll weight(g)	Kapas yield (g/plant)	Ginning percent	Seed index (g)	Lint index (g)
(L <sub>4</sub> T <sub>8</sub> )	-0.51	10.61	0.38	2.17	0.83	-0.19	11.81	-3.91	-0.40	-1.04

(L <sub>5</sub> T <sub>1</sub> )	1.05	9.20	0.24	1.06	2.30	0.38	3.20	0.74	0.14	0.15
(L <sub>5</sub> T <sub>2</sub> )	0.89	11.31	-0.12	1.06	1.16	0.04	62.53 **	0.14	-0.20	-0.15
(L <sub>5</sub> T <sub>3</sub> )	0.55	-1.15	0.22	0.38	-0.59	0.41	-4.23	-1.11	0.30	-0.16
(L <sub>5</sub> T <sub>4</sub> )	-2.53	0.75	-0.13	-0.54	-2.80	-0.25	-17.68 *	-0.47	-0.61	-0.54
(L <sub>5</sub> T <sub>5</sub> )	0.22	-3.00	0.34	0.65	2.03	0.08	-7.30	-0.74	-0.28	-0.30
(L <sub>5</sub> T <sub>6</sub> )	-0.36	-10.89	-0.32	0.38	-4.27	-0.16	-27.71 **	4.13	0.22	1.45
(L <sub>5</sub> T <sub>7</sub> )	-0.11	-16.35	-0.27	-3.44	-2.20	0.08	-9.55	-1.09	0.30	-0.10
(L <sub>5</sub> T <sub>8</sub> )	0.30	10.15	0.03	0.45	4.38	-0.56 *	0.74	-1.60	0.14	-0.35
(L <sub>6</sub> T <sub>1</sub> )	-1.14	5.33	-0.11	0.81	6.03 *	0.07	17.73 *	1.70	-0.18	0.36
(L <sub>6</sub> T <sub>2</sub> )	-2.30	5.95	-0.07	3.76	5.30 *	-0.18	-4.33	-0.90	0.49	0.02
(L <sub>6</sub> T <sub>3</sub> )	-0.14	-8.22	-0.33	-1.88	-2.45	-0.25	-12.29	-0.94	0.74	0.22
(L <sub>6</sub> T <sub>4</sub> )	0.78	-10.22	0.12	-2.09	1.13	0.21	12.48	-0.30	0.07	-0.04
(L <sub>6</sub> T <sub>5</sub> )	0.53	6.13	0.34	0.79	3.27	0.05	12.16	-0.10	-0.09	-0.06
(L <sub>6</sub> T <sub>6</sub> )	1.45	-8.25	0.03	-1.58	-6.13 *	-0.32	-21.73 *	-0.64	-0.59	-0.56
(L <sub>6</sub> T <sub>7</sub> )	0.70	-1.42	-0.12	-1.79	-4.27	-0.20	-12.93	0.74	-0.51	-0.12
(L <sub>6</sub> T <sub>8</sub> )	0.11	10.68	0.13	1.99	-2.88	0.63 *	8.92	0.43	0.07	0.17
S.Em.±	1.603	9.798	0.232	2.262	2.438	0.270	8.6790	2.4489	0.732	0.7588
CD at 5% (S <sub>ij</sub> -S <sub>kl</sub> )	4.55	27.85	0.66	6.43	6.93	0.76	24.67	6.96	2.08	2.15
CD at 1% (S <sub>ij</sub> -S <sub>kl</sub> )	6.07	37.13	0.88	8.57	9.24	1.02	32.89	9.28	2.77	2.87

Note: \*Significant at P = 0.05; \*\* Significant at P = 0.01