

SUPPLEMENTAL TABLE 1. Specific combining ability under timely sowing date (optimum condition).

MALE	FEMALE	DH	DA	CA-A	FLTD-M	CTD-M	GYM	1000GW
1	1	0.54	1.08	-0.27	-0.28	-0.22	-100.77	-1.90
4	1	-0.02	-0.40	1.51	0.65	0.37	67.20	2.82
5	1	-0.43	-0.21	0.14	0.17	-0.11	40.70	-0.55
6	1	-0.06	-0.21	-0.79	0.13	-0.07	36.23	1.03
9	1	0.39	-0.10	0.32	-0.31	-0.04	11.27	0.72
10	1	-0.54	-0.62	-1.31	0.06	-0.07	-51.95	-0.23
11	1	-0.43	-0.62	0.66	-0.13	0.37	98.10	0.01
4	4	0.43	1.79	-1.05	-0.43	0.30	-25.64	1.70
5	4	0.02	-0.69	0.58	-0.24	-0.19	76.13	1.76
6	4	-0.61	-1.03	0.66	0.06	-0.48	40.92	-0.69
9	4	-0.17	-0.25	-0.23	0.61	-0.11	-13.86	-0.90
10	4	-0.09	-0.44	0.14	-0.02	0.19	-15.78	-3.49
11	4	0.02	-0.77	-0.56	-0.20	-0.37	-103.33	-2.91
5	5	-0.39	0.49	-0.79	-0.06	0.00	-39.17	-0.71
6	5	0.98	0.49	0.29	-0.09	0.04	14.29	-0.86
9	5	0.43	-0.40	0.40	0.13	0.07	-48.89	-1.43
10	5	-0.17	-0.25	0.77	-0.17	0.04	-4.58	2.51
11	5	-0.06	0.08	-0.60	0.31	0.15	0.70	-0.01
6	6	0.35	1.16	0.36	-0.13	0.07	-44.85	0.46
9	6	-0.20	-1.06	-1.19	0.09	0.11	12.67	-0.75
10	6	0.20	-0.25	-0.16	0.13	0.07	-40.85	1.93
11	6	-1.02	-0.25	0.47	-0.06	0.19	26.43	-1.59
9	9	-0.43	1.38	0.58	-0.35	0.15	-47.28	-0.16
10	9	0.31	-0.14	0.95	0.02	0.11	82.33	-1.68
11	9	0.09	-0.81	-1.42	0.17	-0.44	51.05	4.36
10	10	0.39	1.34	0.32	0.06	-0.26	6.14	0.00
11	10	-0.50	-0.99	-1.05	-0.13	0.19	18.56	0.97
11	11	0.94	1.68	1.25	0.02	-0.04	-45.76	-0.42

DH= Days to heading, DA= Days to anthesis, CA-A= Chlorophyll content at anthesis stage, FLTD-M= Flag leaf temperature depression at milk stage, CTD-M= Canopy temperature depression at milk stage, GYM= Grain yield per m² and 1000GW= 1000 grain weight.

SUPPLEMENTAL TABLE 2. Specific combining ability under late sowing date (heat stress condition).

MALE	FEMALE	DH	DA	CA-A	FLTD-M	CTD-M	GYM	1000GW
1	1	0.57	0.88	1.37	0.05	0.08	-43.75	0.20
4	1	-0.43	-0.34	-0.85	0.49	0.79	47.55	0.76
5	1	0.28	0.40	-0.26	-0.10	0.01	12.82	-0.30
6	1	0.35	0.32	-1.22	-0.47	-0.73	12.61	0.75
9	1	0.43	-0.01	-1.48	-0.18	0.05	-2.49	0.83
10	1	-1.09	-1.23	0.33	-0.18	-0.14	4.14	0.38
11	1	-0.69	-0.90	0.74	0.34	-0.14	12.86	-2.83
4	4	-0.43	0.10	-2.07	0.60	-0.18	-27.67	0.85
5	4	0.28	-0.16	-1.48	0.34	0.05	15.09	-0.28
6	4	0.35	0.77	1.56	-0.03	0.97	15.72	-0.12
9	4	0.43	0.10	3.30	-0.73	-0.25	-26.25	0.32
10	4	0.91	0.55	1.11	-0.40	-0.44	41.22	-0.26
11	4	-0.69	-1.12	0.52	-0.88	-0.77	-37.99	-2.11
5	5	-0.02	0.58	-1.89	0.42	0.27	-30.81	-0.06
6	5	0.06	-0.16	-0.19	-0.29	-0.14	-24.01	0.62
9	5	0.46	0.51	3.22	-0.66	-0.69	21.12	0.36
10	5	0.28	-0.38	2.04	0.01	-0.21	17.95	0.02
11	5	-1.31	-1.38	0.44	-0.14	0.45	18.64	-0.29
6	6	0.13	0.44	-0.81	-0.32	-0.55	-69.95	-1.56
9	6	-0.80	-1.23	-2.07	0.64	0.56	77.55	1.15
10	6	-0.31	-0.79	0.41	-0.03	-0.29	-6.32	-0.73
11	6	0.09	0.21	3.15	0.82	0.71	64.36	1.46
9	9	-0.39	0.44	-1.33	0.94	1.01	-11.62	0.85
10	9	0.09	0.21	-0.85	-0.40	-0.84	-22.46	-2.52
11	9	0.17	-0.45	0.56	-0.55	-0.84	-24.24	-1.84
10	10	-0.43	0.66	-1.04	0.60	0.97	-18.43	0.23
11	10	0.98	0.32	-0.96	-0.21	-0.03	2.33	2.65
11	11	0.72	1.66	-2.22	0.31	0.31	-17.98	1.48

DH= Days to heading, DA= Days to anthesis, CA-A= Chlorophyll content at anthesis stage, FLTD-M= Flag leaf temperature depression at milk stage, CTD-M= Canopy temperature depression at milk stage, GYM= Grain yield per m² and 1000GW= 1000 grain weight.

SUPPLEMENTAL TABLE 3. Specific combining ability combined over treatments (optimum and heat stress conditions).

MALE	FEMALE	DH	DA	CA-A	FLTD-M	CTD-M	GYM	1000GW
1	1	0.56	0.98	0.55	-0.12	-0.07	-72.26	-0.85
4	1	-0.22	-0.37	0.33	0.57	0.58	57.37	1.79
5	1	-0.07	0.09	-0.06	0.03	-0.05	26.76	-0.43
6	1	0.15	0.06	-1.00	-0.17	-0.40	24.42	0.89
9	1	0.41	-0.06	-0.58	-0.25	0.00	4.39	0.77
10	1	-0.81	-0.93	-0.49	-0.06	-0.11	-23.90	0.07
11	1	-0.56	-0.76	0.70	0.11	0.12	55.48	-1.41
4	4	0.00	0.94	-1.56	0.09	0.06	-26.66	1.27
5	4	0.15	-0.43	-0.45	0.05	-0.07	45.61	0.74
6	4	-0.13	-0.13	1.11	0.01	0.25	28.32	-0.41
9	4	0.13	-0.07	1.53	-0.06	-0.18	-20.05	-0.29
10	4	0.41	0.06	0.63	-0.21	-0.13	12.72	-1.87
11	4	-0.33	-0.94	-0.02	-0.54	-0.57	-70.66	-2.51
5	5	-0.20	0.54	-1.34	0.18	0.13	-34.99	-0.39
6	5	0.52	0.17	0.05	-0.19	-0.05	-4.86	-0.12
9	5	0.44	0.06	1.81	-0.26	-0.31	-13.89	-0.54
10	5	0.06	-0.31	1.40	-0.08	-0.09	6.68	1.26
11	5	-0.69	-0.65	-0.08	0.09	0.30	9.67	-0.15
6	6	0.24	0.80	-0.23	-0.23	-0.24	-57.40	-0.55
9	6	-0.50	-1.15	-1.63	0.37	0.34	45.11	0.20
10	6	-0.06	-0.52	0.13	0.05	-0.11	-23.59	0.60
11	6	-0.46	-0.02	1.81	0.38	0.45	45.40	-0.07
9	9	-0.41	0.91	-0.38	0.29	0.58	-29.45	0.35
10	9	0.20	0.04	0.05	-0.19	-0.37	29.94	-2.10
11	9	0.13	-0.63	-0.43	-0.19	-0.64	13.41	1.26
10	10	-0.02	1.00	-0.36	0.33	0.36	-6.14	0.11
11	10	0.24	-0.33	-1.00	-0.17	0.08	10.44	1.81
11	11	0.83	1.67	-0.49	0.16	0.13	-31.87	0.53

DH= Days to heading, DA= Days to anthesis, CA-A= Chlorophyll content at anthesis stage, FLTD-M= Flag leaf temperature depression at milk stage, CTD-M= Canopy temperature depression at milk stage, GYM= Grain yield per m² and 1000GW= 1000 grain weight.