

Table 7 Mean performance of Hybrids for different traits of blackgram in F<sub>1</sub> generation

Traits genotypes	Days to flowering	50% maturity	Days to Plant height (cm)	Number of primary branches/plant	Number of primary clusters/plant	Number of pods/plant	Number of seeds/pod	Pod length (cm)	100 seed weight (gm)	Yield/plant (gm)
B-3-8-8×OBG-17	35.01	70.37	23.88	1.33	5.45	22.80	5.41	5.20	4.52	4.98
B-3-8-8×TU-94-2	36.88	72.71	21.48	1.18	5.55	23.99	5.28	5.23	4.60	5.30
B-3-8-8×PU-30	33.73	69.29	24.97	1.33	5.94	24.80	5.97	5.54	4.13	6.14
B-3-8-8×PU-35	34.21	73.66	21.55	1.31	5.35	23.68	5.54	4.83	4.53	5.20
B-3-8-8×LBG-17	35.70	73.54	23.25	1.26	5.53	22.81	5.24	4.96	4.43	5.00
B-3-8-8×OBG-31	35.93	75.58	26.63	1.37	5.66	23.27	5.42	5.50	3.92	5.21
B-3-8-8×KL	33.58	69.54	23.54	1.35	5.53	23.94	5.53	4.86	4.43	5.18
OBG-17×TU-94-2	36.02	75.47	25.76	1.46	5.79	25.28	5.86	5.01	4.60	5.85
OBG-17×PU-30	35.89	73.68	20.32	1.39	5.71	23.41	6.07	4.91	4.46	4.74
OBG-17×PU-35	35.25	74.45	21.44	1.42	5.73	22.53	5.58	5.54	4.49	5.01
OBG-17×LBG-17	37.94	72.49	22.28	1.36	5.47	23.82	5.47	5.25	4.89	4.72
OBG-17×OBG-31	33.92	67.96	21.51	1.46	5.56	25.43	5.88	5.25	4.39	4.99
OBG-17×KL	35.33	73.80	23.94	1.58	5.69	26.77	6.18	4.66	4.47	5.56
TU-94-2×PU-30	36.65	73.43	24.02	1.53	6.06	25.86	6.05	4.98	4.43	4.97
TU-94-2×PU-35	34.29	73.73	21.30	1.32	5.08	23.15	5.33	5.04	4.27	4.89
TU-94-2×LBG-17	34.98	74.17	22.26	1.33	4.85	23.42	5.33	5.03	4.68	5.05
TU-94-2×OBG-31	34.07	71.21	23.27	1.50	6.14	25.14	6.49	5.18	4.34	5.91
TU-94-2×KL	32.36	68.37	21.61	1.27	4.92	23.59	5.23	4.86	4.55	4.97
PU-30×PU-35	34.60	74.08	23.31	1.24	4.90	23.14	5.30	4.75	4.35	4.59
PU-30×LBG-17	35.33	72.53	23.31	1.34	5.33	23.46	5.33	5.02	4.13	5.27
PU-30×OBG-31	33.19	71.13	25.52	1.41	4.48	24.63	5.70	5.14	4.49	6.00
PU-30×KL	32.99	68.65	25.06	1.43	4.65	23.68	5.36	4.88	4.96	5.29
PU-35×LBG-17	37.29	75.10	26.19	1.54	5.65	25.30	5.99	5.36	4.26	6.19
PU-35×OBG-31	37.34	74.51	22.29	1.39	5.21	24.56	6.15	5.66	4.39	5.17
PU-35×KL	38.04	75.64	25.54	1.67	6.05	25.25	6.33	5.39	4.11	6.03
LBG-17×OBG-31	37.39	73.02	24.21	1.67	5.33	25.74	6.18	5.77	4.76	6.15
LBG-17×KL	36.70	74.32	26.23	1.60	5.37	25.48	6.09	5.49	4.25	5.84
OBG-31×KL	38.14	74.42	26.47	1.51	5.63	26.99	6.72	5.29	4.23	6.16
Mean	35.45	72.74	23.61	1.41	5.45	24.35	5.75	5.16	4.43	5.37
CV	2.2286	1.5940	5.3112	6.5128	4.4963	3.5862	6.2301	4.9982	4.4242	7.6366
SE	0.4599	0.6698	0.7189	0.0532	0.1426	0.5014	0.2062	0.1488	0.1140	0.2376
SED	0.6505	0.9472	1.0167	0.0752	0.2017	0.7091	0.2917	0.2105	0.1612	0.3360
CD(P=0.05)	1.2879	1.8755	2.0131	0.1489	0.3994	1.4039	0.5775	0.4167	0.3191	0.6652
CD(P=0.01)	1.7107	2.4912	2.6740	0.1978	0.5305	1.8648	0.7671	0.5535	0.4239	0.8836

Note: KL=Keonjhar Local