

Table 4 Per se performance of inter specific hybrids (Best HB) involved in heterotic box for different quantitative characters

Sl. No.	Hybrids	Seed cotton yield (kg/ha)	Plant height (cm)	No. of mono podia	No. of sym podia	No. of bolls	Mean boll weight (g)	Reproduction points on sympodia	Length of sym podia at 50% height (cm)	Inter branch distant (cm)	Seed index (g)	Ginning outturn (%)	Lint index (g)	2.5% SL (mm)	UR %	Micronaire value (µg/inch)	Tenacity (g/t)	Elongation %		
																			Value	Rank
1	ZCH 8 x DB 533	2277.81	1	BMC	227.00	2.00	29.33	30.00	4.70	4.50	53.33	28.33	11.00	34.64	3.81	35.60	44.00	3.20	26.50	6.40
2	DH 98-27 x DB 534	2239.26	2	BMC	236.00	1.67	28.00	21.67	5.10	6.50	66.83	29.33	13.00	36.12	4.70	35.40	47.00	3.00	27.30	6.30
3	177-24 x DB 531	2223.63	3		237.67	2.67	30.33	28.00	3.50	6.67	72.17	28.67	12.00	29.19	3.50	40.40	44.00	2.60	24.00	5.60
4	DH 18-31 x DB 533	2216.33	4	BMC	204.00	0.67	31.00	31.67	3.60	4.67	52.00	27.67	12.00	38.11	4.57	33.90	45.00	3.10	25.40	6.20
5	DH 84-7 x DB 533	2211.12	5		199.67	1.67	31.00	39.00	5.20	6.00	64.33	25.33	12.00	32.92	3.95	38.00	45.00	2.90	25.70	5.70
6	ZCH 8 x DB 534	2182.99	6	BMC	256.00	2.67	30.33	34.00	3.70	7.17	75.33	30.33	13.00	34.23	4.45	39.70	43.00	3.00	24.50	5.90
7	DH 10-2 x DB 531	2153.81	7		247.67	1.00	28.67	28.33	5.00	5.67	72.00	31.00	12.00	32.62	3.91	38.80	44.00	3.30	23.80	5.90
8	178-24 x DB 533	2151.73	8	BMC	258.67	1.33	34.00	34.00	4.30	6.50	63.67	30.00	12.00	34.54	4.14	36.40	45.00	3.00	24.90	5.90
9	DH 11-10 x DB 534	2136.1	9		234.00	3.00	37.33	31.67	4.70	6.17	61.67	29.33	13.00	34.17	4.44	37.30	46.00	3.30	24.20	6.10
10	DH 98-27 x DB 533	2130.89	10	BMC	201.33	2.00	27.00	31.00	4.60	4.83	57.50	27.67	13.00	35.29	4.59	35.30	47.00	3.30	25.40	6.30
11	DH 18-31 x DB 534	2101.71	11	BMC	239.67	2.33	25.33	32.67	4.90	6.00	68.17	28.33	13.00	31.25	4.06	37.50	45.00	3.20	23.70	5.90
12	DH 25-3 x DB 533	2098.59	12		299.67	2.00	38.33	44.33	3.60	7.33	84.50	31.00	11.00	34.89	3.84	35.40	45.00	3.10	25.50	6.00
13	DH 44-14 x DB 534	2093.38	13		232.00	2.33	30.67	32.33	4.70	4.83	66.83	31.67	11.00	35.48	3.90	37.60	45.00	3.00	26.00	6.10
14	178-24 x DB 534	2092.34	14	BMC	243.00	2.67	31.00	35.33	4.10	5.50	70.33	32.33	13.00	36.39	4.73	36.20	46.00	3.20	26.30	6.20
15	RAHB87	2087.13			210.67	2.00	31.33	33.00	4.60	4.33	50.00	27.67	11.00	39.74	4.37	35.40	46.00	3.50	24.90	6.40
16	DH 91-1 x DB 531	2078.79	15		269.00	1.67	30.33	34.00	3.50	5.17	69.83	25.67	15.00	33.61	5.04	36.60	46.00	2.70	25.10	5.90
17	DH 31-27 x DB 532	2071.5	16		263.00	2.33	28.67	36.00	4.10	6.17	66.33	27.33	12.00	37.30	4.48	38.00	45.00	3.40	23.30	6.00
18	MRC6918 <i>Bt</i> check	2070.00			199.00	1.00	28.67	32.67	4.40	5.17	60.67	29.33	12.00	32.44	3.89	34.90	46.00	2.60	27.40	5.80
19	DH 11-8 x DB 534	2064.2	17		238.33	2.33	28.00	23.67	3.50	6.33	74.17	29.33	12.00	33.88	4.07	38.00	45.00	3.10	23.80	6.00
20	179-20x DB 532	2054.82	18		217.00	2.00	33.00	34.33	4.10	6.83	67.33	28.67	11.00	35.71	3.93	34.60	46.00	3.10	25.70	6.10
21	DH 40-29 x DB 532	2052.74	19		257.67	2.67	39.33	38.00	3.80	5.50	66.83	26.67	12.00	35.10	4.21	34.00	46.00	3.30	25.50	6.30
22	DH 95-18 x DB 533	2005.85	20		201.33	2.33	24.00	29.67	5.10	4.67	59.00	30.00	14.00	31.93	4.47	40.00	44.00	2.90	23.50	5.90
23	DH 33-27 x DB 531	2000.64	21		289.00	1.33	30.00	36.00	4.00	6.50	78.00	30.00	13.00	34.73	4.52	37.30	46.00	3.50	25.50	6.40
24	DH 56-2 x DB 532	1994.39	22		293.67	3.00	31.67	35.33	4.50	5.50	72.50	31.67	12.00	31.88	3.83	36.70	45.00	2.70	25.50	5.90
25	DH 29-32 x DB 531	1990.22	23		263.33	2.67	30.67	22.67	4.80	6.17	68.83	33.00	13.00	33.43	4.35	37.90	44.00	3.30	23.10	5.90
26	DH 31-37 x DB 532	1985.01	24		244.67	1.67	33.00	35.67	3.60	5.50	61.83	26.00	12.00	32.85	3.94	35.30	45.00	3.20	25.90	6.10
27	DH 28-36 x DB 531	1963.13	25		252.33	2.33	31.00	33.33	4.60	5.33	72.67	30.00	15.00	34.38	5.16	38.90	43.00	2.90	25.70	6.10
28	DH 102-23 x DB 534	1956.88	26		301.00	1.33	30.67	21.00	4.90	7.00	89.50	37.00	13.00	34.33	4.46	36.60	44.00	2.70	24.90	6.10
29	DH 56-93 x DB 532	1945.41	27		233.33	3.00	31.00	29.00	3.90	6.50	70.17	23.67	14.00	34.78	4.87	36.10	45.00	3.20	25.90	6.40
30	DH 8-7 x DB 532	1940.2	28		254.00	1.33	27.33	26.67	5.20	4.83	63.67	28.00	12.00	31.56	3.79	39.30	44.00	3.10	25.50	5.90
31	DH 11-8 x DB 533	1915.2	29		221.33	1.33	32.33	31.33	4.10	5.67	59.67	20.67	13.00	36.25	4.71	35.40	49.00	3.30	25.00	6.00
32	ZCH 8 x DB 532	1886.02	30		229.67	1.67	32.67	27.33	4.30	5.33	78.83	27.67	12.00	33.50	4.02	36.40	46.00	3.20	25.50	6.30
33	DH 53-2 x DB 534	1874.56	31		234.33	2.00	33.00	33.00	5.20	5.33	67.67	27.00	14.00	31.25	4.38	40.20	43.00	2.80	24.00	5.90
34	DH 18-31 x DB 532	1859.97	32		178.00	2.00	23.00	27.00	4.50	4.83	55.50	28.67	12.00	37.46	4.50	34.20	46.00	3.20	25.40	6.20
35	DH 35-17 x DB 533	1859.97	33		249.33	1.67	25.00	35.67	4.40	6.00	68.00	30.00	12.00	35.53	4.26	34.30	46.00	3.20	25.20	6.20
36	DH 11-8 x DB 532	1797.45	34		209.67	3.67	29.00	27.00	5.20	5.17	70.67	27.33	13.00	31.07	4.04	36.50	46.00	3.30	25.20	6.40
37	DH 55-2 x DB 531	1795.37	35		223.33	1.33	29.00	35.33	4.20	6.67	70.67	34.67	14.00	36.04	5.05	36.20	46.00	2.60	25.60	6.00
38	DH 66 x DB 534	1793.28	36		233.00	3.00	28.00	32.00	3.90	6.00	68.17	31.00	13.00	30.20	3.93	40.20	45.00	2.80	24.30	5.80
39	DH 57-95 x DB 533	1787.03	37		234.67	1.00	33.33	32.00	4.70	7.00	70.33	29.33	11.00	37.66	4.14	35.10	45.00	3.20	25.60	6.40
40	DH 39-84 x DB 531	1781.82	38		231.33	1.67	33.67	27.00	5.20	5.00	57.50	29.33	13.00	27.76	3.61	35.50	44.00	3.40	24.20	6.20
41	DH 21-29 x DB 532	1775.57	39		230.00	2.33	26.67	31.00	4.60	4.33	60.50	34.00	12.00	32.54	3.90	38.10	45.00	3.30	23.20	5.80
42	DCH32	1767.23			256.67	1.33	34.67	30.67	5.00	5.17	62.33	30.33	15.00	34.38	5.16	39.60	45.00	3.50	22.70	6.10
43	DH 8-7 x DB 531	1750.56	40		201.00	2.67	28.00	29.33	5.00	4.83	59.00	30.00	12.00	36.78	4.41	32.40	46.00	3.60	23.60	6.30
44	DH 25-22 x DB 533	1718.26	41		276.00	3.00	27.33	23.33	4.30	7.33	87.17	32.00	12.00	31.52	3.78	40.30	43.00	2.50	24.30	5.80
45	DH 22-76 x DB 534	1687.00	42		234.00	2.33	29.67	47.33	4.30	7.00	71.17	29.67	11.00	38.25	4.21	35.20	47.00	3.10	26.40	6.70
46	DH 11-8 x DB 531	1673.45	43		235.00	2.33	31.67	31.67	3.50	5.33	61.17	34.67	11.00	33.14	3.65	33.40	48.00	2.80	30.60	6.40
47	DH 43-44 x DB 532	1648.44	44		227.67	4.00	31.67	32.00	3.70	6.33	67.17	30.67	13.00	31.69	4.12	38.10	44.00	2.60	25.50	6.00
48	DH 47-67 x DB 532	1640.11	45		229.67	3.67	28.00	29.33	4.40	4.83	58.83	29.33	11.00	34.73	3.82	38.20	44.00	3.00	24.20	5.90
49	DH 53-2 x DB 533	1564.04	46		239.67	3.00	27.00	30.67	3.80	4.83	58.17	32.33	14.00	32.81	4.59	36.90	46.00	2.90	25.50	6.00
50	DH 49-50 x DB 534	1359.81	47		192.33	1.67	23.33	27.00	4.90	5.83	64.33	29.67	13.00	31.88	4.14	39.20	45.00	2.80	25.50	6.10
51	DH 18-19 x DB 533	1333.76	48		253.33	3.33	31.67	35.67	4.60	5.00	60.00	32.00	14.00	29.45	4.12	39.20	43.00	2.80	25.10	5.90
52	DH 11-20 x DB 534	1232.69	49		202.67	2.67	30.33	27.33	4.30	6.17	62.00	27.67	12.00	34.31	4.12	38.90	44.00	2.80	25.70	6.00
	Mean of HB crosses	1921.38			237.96	2.21	30.11	31.46	4.38	5.78	67.06	29.50	12.51	33.86	4.23	36.95	45.10	3.05	25.14	6.08
	Mean of bench mark crosses	2174.13			233.21	1.92	29.50	31.29	4.38	5.71	63.40	29.25	12.50	35.07	4.38	36.25	45.25	3.13	25.50	6.14
	Mean	1924.47			237.04	2.17	30.19	31.50	4.39	5.73	66.52	29.48	12.52	33.96	4.24	36.93	45.13	3.06	25.13	6.08
	Max	2277.81			301.00	4.00	39.33	47.33	5.20	7.33	89.50	37.00	15.00	39.74	5.16	40.40	49.00	3.60	30.60	6.70
	Min	1232.69			178.00	0.67	23.00	21.00	3.50	4.33	50.00	20.67	11.00	27.76	3.50	32.40	43.00	2.50	22.70	5.60

Note: BMC (Bench mark crosses)