

Table 1 Average heterosis and range of heterosis with number of heterotic crosses of parents and F1s in desirable directions in respect of quantitative traits in rabi sorghum (Adopted from Sandeep and Biradar, 2020)

Sl. No.	Characters	Average heterosis (%)	Range of heterosis (%) over				No. of crosses with significant heterosis in desired direction over							
			Better parent	Standard check			Better parent	Standard check						
				M 35-1	BJV 44	PKV Kranti		M 35-1	BJV 44	PKV Kranti				
1	Days to 50% flowering	-2.87	-30.65	to -0.81	-25.86	to 6.03	-25.51	to 6.49	-29.22	to 1.23	47	34	34	43
2	Plant height (cm)	6.36	-10.05	to 34.31	-18.27	to 10.99	-20.34	to 8.18	-22.21	to 5.64	17	08	05	02
3	Number of leaves	2.21	-38.46	to 40.00	-33.33	to 16.67	-33.33	to 16.67	-38.46	to 7.69	05	03	03	00
4	Panicle length (cm)	1.88	-47.45	to 26.41	-21.56	to 82.16	-33.54	to 54.33	-36.64	to 47.15	01	32	23	14
5	Panicle width (cm)	-12.07	-41.61	to 6.33	-35.94	to 4.15	-53.20	to -23.91	-53.67	to -24.67	02	00	00	00
6	Primaries Panicle-1	11.03	-39.87	to 19.62	-34.48	to 39.31	-48.65	to 9.19	-50.78	to 4.66	05	19	01	00
7	Panicle weight (g)	12.56	-51.52	to 51.95	-46.88	to 69.13	-72.21	to -11.50	-72.47	to -12.33	14	20	00	00
8	Grain yield per plant (g)	4.07	-58.03	to 18.47	-52.61	to 52.41	-75.16	to -20.13	-74.96	to -19.47	02	13	00	00
9	100 seed weight (g)	40.61	-26.25	to 43.88	-23.38	to 83.12	-26.25	to 76.25	-30.59	to 65.88	14	21	19	09