

Supplementary Table 1 Estimates of heterosis for yield and its contributing traits in cucumber

Character	Years	1983 G × K-90	1983 G × UHF- 16	2870 G × K-90	2870 G × UHF- 16	KTG 40 × K- 90	KTG 40 × UHF- 16	KTG 40 × Kohinoor Local
DFFFA	2018	-4.69*	-1.50*	-8.61*	-7.25*	-9.64*	-8.02*	-3.70
	2019	-5.83*	-2.19	-8.14*	-7.28*	-7.74*	-7.34*	-3.17
NNBFFF	2018	61.62*	-11.15	63.19*	-20.83*	74.30*	-17.70*	44.89*
	2019	60.66*	-8.97	65.96*	-18.95*	77.74*	-17.61*	47.96*
DFFH	2018	-6.75*	0.53	-10.10*	-8.93*	-9.85*	-9.52*	-4.58*
	2019	-7.51*	1.30	-8.88*	-7.83*	-8.79*	-8.60*	-5.02*
NPBPP	2018	-3.86	16.70*	8.51*	1.39	20.44*	11.65*	-8.22
	2019	-2.06	19.64*	8.37*	0.97	19.69*	14.06*	-6.71
VL (m)	2018	28.57*	12.90*	21.30*	8.88*	9.33*	1.81	-4.92
	2019	27.80*	14.57*	20.47*	8.48*	9.71*	2.10	-4.99
FL (cm)	2018	12.38*	2.07	10.01*	13.49*	18.07*	13.02*	6.25
	2019	12.53*	2.82	16.60*	12.21*	18.19*	11.78*	6.15
FB (cm)	2018	7.10*	13.55*	15.64*	15.04*	14.69*	13.27*	6.81
	2019	7.86*	12.74*	15.15*	12.39*	11.66*	12.61*	6.90
NMFPP	2018	39.09*	10.50*	15.09*	17.44*	17.61*	13.36*	3.86
	2019	32.10*	12.87*	15.87*	16.76*	16.02*	11.94*	5.75
AFW (g)	2018	5.58	6.22	10.24*	6.67	16.84*	9.27*	13.00*
	2019	5.91	4.74	11.56*	5.55	18.79*	9.11*	10.99*
MFYPP (kg)	2018	56.29*	17.38*	27.02*	25.27*	47.93*	36.93*	12.34
	2019	48.76*	18.28*	29.15*	24.44*	44.78*	31.33*	8.13
SDMD (%)	2018	-17.63*	55.08*	-25.42*	29.33*	-37.12*	-6.21	17.25*
	2019	-20.86*	56.77*	-25.96*	31.78*	-38.28*	-8.42	18.74*
SPMD (%)	2018	-23.65*	74.53*	-36.26*	41.94*	-20.69*	58.14*	57.52*
	2019	-22.61*	75.74*	-36.30*	41.43*	-21.87*	52.27*	56.67*