

Table 2 Heterosis (%) over mid parent, standard variety and better parent for various yield and yield contributing characters in okra (RH- Relative heterosis; SH- Standard heterosis and HB- Heterobeltiosis)

Hybrids	Days to first flowering			Leaf axil bearing first fruit			Number of primary branches			Plant height (cm)			Days to maturity		
	RH	SH	HB	RH	SH	HB	RH	SH	HB	RH	SH	HB	RH	SH	HB
IC 1012-1× Punjab Phalgani	2.77	0.79	2.1	-20.13*	-33.56**	-22.83*	-6.48	35.07	-6.9	0.34	-18.26**	-2.22	-16.33**	-27.54**	-17.14**
IC 1012-1× Kattakada Local	-4.84**	-1.12	-9.38**	5.32	3.54	-6.31	-6.36	69.93**	-22.00*	-15.26**	-20.62**	-26.53**	-9.83**	-24.68**	-13.87**
IC 1012-1× Mallapalli Local	0.82	7.19**	-5.89**	-7.92	-12.15	-16.11*	-51.39**	-12.85	-59.18**	-2	-15.17**	-9.57**	-2.03	-18.01**	-6.23**
Thirumala Local× Punjab Phalgani	-2.66	-3.52*	-4.28**	-23.56**	-30.19**	-31.81**	-18.91	30.71	-26.82*	-16.20**	-18.02**	-26.85**	-7.39**	-17.88**	-10.33**
Thirumala Local× Kattakada Local	-5.03**	-0.32	-8.65**	-7.1	-1.1	-10.52	-29.67**	39.43	-36.00**	-20.67**	-12.69**	-22.09**	-4.33*	-18.11**	-10.58**
Thirumala Local× Mallapalli Local	-2.53	4.63*	-8.14**	-7.41	-4.13	-8.44	-42.22**	13.28	-46.93**	-13.62**	-11.08**	-20.66**	-5.11**	-18.62**	-11.15**
Halu Bhendi× Punjab Phalgani	9.36**	14.87**	1.98	43.34**	22.16**	35.48**	-20	-12.85	-39.39**	-12.02**	-20.74**	-17.94**	-14.17**	-21.03**	-19.63**
Halu Bhendi× Kattakada Local	0.79	11.75**	-0.78	-29.15**	-28.91**	-35.68**	8.8	58.82*	-27.1*	-19.81**	-17.95**	-24.06**	-8.87**	-18.96**	-17.52**
Halu Bhendi× Mallapalli Local	7.62**	21.91**	7.02**	-36.71**	-38.33**	-41.11**	-39.39**	-12.85	-59.18**	-3.46	-8.09**	-4.85	-14.42**	-23.75**	-22.39**
Kunnapuzha Local× Punjab Phalgani	6.01**	10.32**	-0.34	-36.00**	-34.84**	-47.16**	-1.4	52.50*	-7.89	-12.28**	-12.01**	-24.81**	-7.66**	-16.62**	-12.07**
Kunnapuzha Local× Kattakada Local	5.53**	15.99**	4.76**	-23.68**	-10.76	-27.64**	0	91.72**	-12	-21.76**	-11.95**	-24.76**	-8.94**	-20.58**	-16.24**
Kunnapuzha Local× Mallapalli Local	0.38	12.74**	-1.02	-10.1	2.5	-16.88*	-40.22**	13.28	-46.93**	-24.11**	-20.00**	-31.64**	-11.70**	-22.84**	-18.63**
Holavanalli Local× Punjab Phalgani	3.60*	-0.29	2.33	-26.49**	-35.42**	-32.31**	5.26	30.71	-9.09	-15.35**	-19.81**	-24.26**	-19.71**	-21.14**	-28.75**
Holavanalli Local× Kattakada Local	2.94	5.07**	-3.69*	-16.38*	-13.9	-22.10**	-8.1	48.14*	-32.00**	-27.64**	-22.60**	-28.36**	-24.48**	-28.15**	-35.08**
Holavanalli Local× Mallapalli Local	-5.51**	-1.28	-13.34**	20.93**	21.00*	15.55*	27.39*	102.61**	-5.1	5.36*	5.19*	-0.64	-12.69**	-16.79**	-24.82**
IC 1012-1× Punjab Phalgani	-31.31**	-19.39**	-37.72**	-12.91**	2.93	-27.27**	3.32	16.98**	-3.25	-24.93**	-19.78**	-26.85**	-41.51**	-7.17	-54.87**
IC 1012-1× Kattakada Local	-31.54**	-15.12**	-40.53**	0.26	9.88**	-11.60**	15.05**	35.01**	11.65*	-21.38**	-13.78**	-25.23**	-33.03**	3.75	-47.63**
IC 1012-1× Mallapalli Local	-40.87**	-17.02**	-52.70**	-7.18**	14.10**	-24.43**	19.24**	40.07**	15.83**	-21.48**	-16.26**	-23.34**	-47.39**	5.87	-63.58**
Thirumala Local× Punjab Phalgani	9.54**	15.31**	-10.91**	1.19	29.35**	-8.61**	33.83**	60.06**	19.74**	-1.63	5.49	-3.80	8.00*	67.15**	-18.74**
Thirumala Local× Kattakada Local	28.00**	43.24**	0.36	27.08**	51.49**	21.87**	36.17**	68.49**	26.05**	6.88**	17.69**	1.99	59.16**	140.32**	21.27**

Continuing table 2

Hybrids	Number of fruits per plant			Fruit weight (g)			Fruit length (cm)			Fruit girth (cm)			Yield per plant (g)		
	RH	SH	HB	RH	SH	HB	RH	SH	HB	RH	SH	HB	RH	SH	HB
Thirumala Local× Mallapalli Local	-21.25**	0.99	-42.43**	4.02*	37.89**	-8.68**	20.18**	48.83**	11.34*	7.80**	15.38**	5.63	-22.00**	53.87**	-47.07**
Halu Bhendi× Punjab Phalgani	-36.8**	-25.08**	-42.12**	-8.15**	16.72**	-17.53**	35.71**	48.32**	31.19**	-13.32**	-10.98**	-18.83**	-42.65**	-2.18	-52.44**
Halu Bhendi× Kattakada Local	-30.26**	-12.70**	-38.83**	-0.40	17.98**	-5.07*	16.36**	31.98**	15.99**	-13.37**	-8.57*	-20.76**	-31.13**	14.87*	-42.03**
Halu Bhendi× Mallapalli Local	-26.29**	4.31	-40.54**	-41.43**	-22.79**	-48.87**	15.26**	30.86**	14.77**	12.92**	15.71**	5.93*	-57.74**	-9.95	-69.02**
Kunnapuzha Local× Punjab Phalgani	12.86**	28.97**	-0.36	12.83**	46.15**	3.25	27.12**	34.90**	26.42**	-1.58	2.63	-6.41*	24.82**	109.84**	2.00
Kunnapuzha Local× Kattakada Local	-13.25**	4.88	-26.51**	2.40	23.81**	-0.39	24.19**	36.92**	20.33**	-20.00**	-14.28**	-25.71**	-11.51**	45.40**	-26.62**
Kunnapuzha Local× Mallapalli Local	-50.77**	-32.43**	-61.48**	-17.90**	10.22**	-27.00**	2.79	13.45*	-0.49	-5.59*	-1.75	-10.06**	-61.17**	-18.22**	-71.87**
Holavanalli Local× Punjab Phalgani	-43.80**	-27.78**	-44.21**	-13.01**	11.19**	-21.44**	-3.60	23.16**	-17.89**	5.09	8.90**	-0.70	-51.25**	-10.18	-56.33**
Holavanalli Local× Kattakada Local	-40.66**	-19.81**	-43.82**	-1.01	17.98**	-5.07*	-4.19	26.36**	-15.76**	-7.38**	6.48*	-7.71**	-41.48**	5.60	-46.70**
Holavanalli Local× Mallapalli Local	21.87**	84.63**	5.24*	31.86**	74.79**	15.75**	25.50**	65.68**	10.44*	4.35	7.91*	-1.20	58.75**	260.03**	23.82**