

Table 8 Performance of hybrids and heterosis over commercial check (RAHH 95) and best *Bt* hybrid check (RCH2 *Bt*) with respect to mean boll weight in cotton (*G. hirsutum* L.)

Hybrids	Mean of F ₁	Mean of <i>Bt</i> hybrid check	Heterosis (%) over <i>Bt</i> hybrid check	Mean of commercial check	Heterosis (%) over commercial check	Hybrids	Mean of F ₁	Mean of <i>Bt</i> hybrid check	Heterosis (%) over <i>Bt</i> hybrid check	Mean of commercial check	Heterosis (%) over commercial check
RAH 318 x SC 14	2.77	3.32	-16.57	2.31	19.91	RAH146 x SC 14	2.61	3.32	-21.39*	2.31	12.99
RAH 318 x SC 18	3.20	3.32	-3.61	2.31	38.53**	RAH146 x SC 18	3.36	3.32	1.05	2.31	45.24**
RAH 318 x SC 7	2.79	3.32	-16.11	2.31	20.56	RAH146 x SC 7	2.87	3.32	-13.70	2.31	24.03
RAH 318 x SC 68	2.47	3.32	-25.75*	2.31	6.71	RAH146 x SC 68	2.76	3.32	-16.87	2.31	19.48
RAH 318 x RGR 32	3.29	3.32	-1.05	2.31	42.21**	RAH146 x RGR 32	3.44	3.32	3.46	2.31	48.70**
RAH 318 x RGR 24	2.98	3.32	-10.39	2.31	28.79*	RAH146 x RGR 24	3.40	3.32	2.26	2.31	46.97**
RAH 318 x RGR 58	3.23	3.32	-2.86	2.31	39.61**	RAH146 x RGR 58	2.98	3.32	-10.24	2.31	29.00*
RAH 318 x RGR 37	3.08	3.32	-7.38	2.31	33.12*	RAH146 x RGR 37	2.89	3.32	-13.10	2.31	24.89
RAH 243 x SC 14	2.53	3.32	-23.95*	2.31	9.31	RAH 97 x SC 14	3.58	3.32	7.83	2.31	54.98**
RAH 243 x SC 18	2.83	3.32	-14.76	2.31	22.51	RAH 97 x SC 18	3.52	3.32	5.87	2.31	52.16**
RAH 243 x SC 7	2.91	3.32	-12.35	2.31	25.97	RAH 97 x SC 7	3.76	3.32	13.10	2.31	62.55**
RAH 243 x SC 68	2.52	3.32	-24.10*	2.31	9.09	RAH 97 x SC 68	2.83	3.32	-14.76	2.31	22.51
RAH 243 x RGR 32	2.87	3.32	-13.55	2.31	24.24	RAH 97 x RGR 32	3.74	3.32	12.65	2.31	61.90**
RAH 243 x RGR 24	3.05	3.32	-8.28	2.31	31.82*	RAH 97 x RGR 24	3.26	3.32	-1.81	2.31	41.13**
RAH 243 x RGR 58	2.48	3.32	-25.45*	2.31	7.14	RAH 97 x RGR 58	3.42	3.32	2.86	2.31	47.84**
RAH 243 x RGR 37	2.91	3.32	-12.50	2.31	25.76	RAH 97 x RGR 37	2.85	3.32	-14.31	2.31	23.16
RAH128 x SC 14	2.67	3.32	-19.58*	2.31	15.58	RAH 124 x SC 14	2.69	3.32	-18.98*	2.31	16.45
RAH128 x SC 18	2.88	3.32	-13.40	2.31	24.46	RAH 124 x SC 18	2.71	3.32	-18.37	2.31	17.32
RAH128 x SC 7	2.88	3.32	-13.40	2.31	24.46	RAH 124 x SC 7	2.51	3.32	-24.40*	2.31	8.66
RAH128 x SC 68	2.83	3.32	-14.76	2.31	22.51	RAH 124 x SC 68	2.71	3.32	-18.52	2.31	17.10
RAH128 x RGR 32	3.15	3.32	-5.27	2.31	36.15*	RAH 124 x RGR 32	3.13	3.32	-5.72	2.31	35.50*
RAH128 x RGR 24	2.97	3.32	-10.54	2.31	28.57*	RAH 124 x RGR 24	2.52	3.32	-24.10*	2.31	9.09
RAH128 x RGR 58	2.97	3.32	-10.69	2.31	28.35*	RAH 124 x RGR 58	2.55	3.32	-23.34*	2.31	10.17
RAH128 x RGR 37	2.92	3.32	-12.20	2.31	26.19	RAH 124 x RGR 37	3.45	3.32	3.92	2.31	49.35**

Note: S.Em.± 0.37; *Significant at P = 0.05; **Significant at P = 0.01