

Appendix–II. Mean performance of parents and hybrids for fourteen characters in sesame.

Sr. No.	Parents/Hybrids	Days to 50 per cent flowering	Days to maturity	Plant height (cm)	Height to first capsule (cm)	Number of branches per plant	Number of internodes per plant	Length of capsule (cm)
1	2	3	4	5	6	7	8	9
Females (Lines)								
1	AT 351	41.67	86.33	83.00	21.13	4.00	17.13	3.22
2	AT 355	39.33	90.33	76.20	21.47	3.80	15.00	2.77
3	TC 66	33.33	88.67	73.40	14.80	3.40	18.67	3.17
4	DPI 1484	35.67	81.67	71.73	15.13	2.20	15.00	2.48
5	IC 96128	37.67	93.67	79.33	11.87	2.40	17.60	3.12
6	RT 33	40.33	83.67	86.80	17.47	1.67	16.40	2.59
7	LIMDI 9	39.00	78.00	80.73	14.20	2.20	17.80	2.44
8	RSE 3	35.67	85.00	77.53	17.27	2.47	19.33	2.81
Males (Testers)								
9	Guj.Til-1	44.33	87.33	80.40	12.47	2.20	11.80	2.91
10	Guj.Til-2	44.00	85.00	82.47	11.60	1.60	12.47	3.13
11	Guj.Til-3	42.33	86.33	74.73	12.73	2.27	19.13	3.05
12	Guj.Til-4	42.67	81.67	76.13	18.53	2.87	17.53	2.75
13	Guj.Til-10	46.00	94.67	98.87	18.33	6.20	22.93	2.41
Hybrids								
14	AT 351 x Guj.Til-1	42.33	83.33	82.33	29.73	1.73	10.47	2.72
15	AT 351 x Guj.Til-2	39.67	85.67	83.33	32.47	1.13	10.47	2.45
16	AT 351 x Guj.Til-3	36.33	86.33	75.93	25.67	1.87	15.13	3.00
17	AT 351 x Guj.Til-4	38.00	88.33	76.33	32.80	2.67	11.47	2.66
18	AT 351 x Guj.Til-10	33.67	83.00	90.73	21.00	2.40	10.80	2.33
19	AT 355 x Guj.Til-1	38.33	79.33	79.40	23.53	3.67	12.80	2.45
20	AT 355 x Guj.Til-2	35.67	83.33	80.07	16.53	3.53	19.13	2.52
21	AT 355 x Guj.Til-3	40.33	90.33	78.67	22.93	3.60	14.20	2.48
22	AT 355 x Guj.Til-4	35.67	93.67	80.33	14.60	3.87	16.73	2.67
23	AT 355 x Guj.Til-10	39.33	88.00	95.53	18.40	3.00	21.27	2.56
24	TC 66 x Guj.Til-1	40.00	77.67	79.40	19.07	3.20	14.33	3.05
25	TC 66 x Guj.Til-2	37.67	81.33	80.93	20.47	3.93	16.80	3.16

(Contd...)

1	2	3	4	5	6	7	8	9
26	TC 66 x Guj.Til-3	34.00	84.00	74.47	17.40	3.07	16.40	2.91
27	TC 66 x Guj.Til-4	34.67	84.33	76.13	17.33	2.60	11.40	2.67
28	TC 66 x Guj.Til-10	36.67	87.00	98.60	27.27	2.73	20.80	3.03
29	DPI 1484 x Guj.Til-1	42.00	76.33	76.73	19.87	3.53	22.60	3.30
30	DPI 1484 x Guj.Til-2	36.33	79.00	77.00	18.80	3.20	19.27	2.74
31	DPI 1484 x Guj.Til-3	35.67	82.67	73.73	16.40	2.53	18.20	2.55
32	DPI 1484 x Guj.Til-4	39.00	80.00	74.07	16.07	1.80	15.47	2.76
33	DPI 1484 x Guj.Til-10	36.33	84.00	99.93	23.00	1.67	20.20	3.17
34	IC 96128 x Guj.Til-1	39.33	87.00	83.13	15.53	2.20	17.60	3.31
35	IC 96128 x Guj.Til-2	36.00	87.33	80.67	14.93	2.60	17.47	2.62
36	IC 96128 x Guj.Til-3	35.67	85.33	79.07	18.47	1.80	15.80	3.42
37	IC 96128 x Guj.Til-4	41.67	89.00	82.67	16.67	2.47	13.27	2.69
38	IC 96128 x Guj.Til-10	39.00	90.33	95.33	14.20	2.60	21.33	2.85
39	RT 33 x Guj.Til-1	39.33	84.67	87.87	15.27	1.80	11.80	2.32
40	RT 33 x Guj.Til-2	37.00	82.33	88.27	12.67	1.67	16.00	2.35
41	RT 33 x Guj.Til-3	35.00	86.67	85.07	14.53	1.93	15.20	3.44
42	RT 33 x Guj.Til-4	34.00	80.33	86.00	12.93	2.60	12.40	2.82
43	RT 33 x Guj.Til-10	35.67	82.33	95.60	22.93	2.67	20.87	3.07
44	LIMDI 9 x Guj.Til-1	38.00	83.67	79.80	20.60	2.80	16.73	2.76
45	LIMDI 9 x Guj.Til-2	35.67	82.33	81.13	16.53	2.20	15.53	2.85
46	LIMDI 9 x Guj.Til-3	34.67	87.67	78.53	20.80	2.73	16.27	2.69
47	LIMDI 9 x Guj.Til-4	38.33	76.67	77.33	15.40	2.40	12.53	3.11
48	LIMDI 9 x Guj.Til-10	41.33	79.33	99.33	12.93	2.00	18.47	2.18
49	RSE 3 x Guj.Til-1	40.00	81.67	80.07	11.20	1.93	12.80	2.72
50	RSE 3 x Guj.Til-2	38.33	89.33	80.60	13.27	1.67	16.27	2.81
51	RSE 3 x Guj.Til-3	37.33	79.67	76.13	13.20	1.60	14.00	3.32
52	RSE 3 x Guj.Til-4	40.00	85.33	77.73	10.60	2.20	13.33	3.27
53	RSE 3 x Guj.Til-10	39.67	86.67	92.33	12.80	2.80	19.73	3.08
54	Guj.Til-2 (Check)	44.67	84.67	82.53	12.87	1.80	13.33	3.11
	Overall mean	38.41	84.67	82.30	17.75	2.58	16.10	2.82
	SEM±	1.22	2.55	3.22	0.68	0.13	0.75	0.08
	CD at 5%	3.41	7.15	9.03	1.91	0.37	2.10	0.23
	CV%	5.48	5.22	6.78	6.63	8.76	8.05	5.05

Sr. No.	Parents/Hybrids	Width of capsule (cm)	Number of capsules per plant	Number of capsules per leaf axil	Number of seeds per capsule	1000-seed weight (g)	Seed yield per plant (g)	Oil content (%)
10	11	12	13	14	15	16	17	18
Females (Lines)								
1	AT 351	0.91	45.13	1.47	52.80	2.96	9.35	44.60
2	AT 355	0.84	46.20	1.67	48.60	2.84	8.98	41.12
3	TC 66	0.94	51.07	1.00	54.20	3.36	8.48	45.84
4	DPI 1484	0.97	54.80	1.00	56.27	3.35	7.29	44.58
5	IC 96128	1.01	43.80	1.33	48.20	3.26	9.34	41.71
6	RT 33	0.87	47.73	1.00	56.73	3.19	10.64	47.53
7	LIMDI 9	0.79	48.33	1.00	50.67	3.42	8.84	47.32
8	RSE 3	0.82	52.27	1.00	56.67	3.12	9.04	47.66
Males (Testers)								
9	Guj.Til-1	0.93	56.87	1.40	46.60	3.17	11.55	46.89
10	Guj.Til-2	0.90	50.07	1.93	49.27	3.02	10.16	46.73
11	Guj.Til-3	0.87	47.20	1.00	54.47	3.25	10.08	48.24
12	Guj.Til-4	0.84	44.93	1.87	48.00	2.78	9.91	47.71
13	Guj.Til-10	0.76	95.07	1.00	45.73	3.06	18.11	46.96
Hybrids								
14	AT 351 x Guj.Til-1	0.98	57.20	1.00	54.93	3.32	9.37	44.91
15	AT 351 x Guj.Til-2	0.80	75.00	1.00	55.20	3.45	9.80	47.11
16	AT 351 x Guj.Til-3	0.99	64.33	1.00	60.67	3.08	11.12	44.78
17	AT 351 x Guj.Til-4	0.89	47.13	1.00	61.13	3.30	9.11	47.10
18	AT 351 x Guj.Til-10	0.99	71.13	1.00	53.07	3.22	9.63	45.84
19	AT 355 x Guj.Til-1	0.85	51.00	1.00	55.00	2.68	10.23	41.88
20	AT 355 x Guj.Til-2	0.84	64.33	1.00	57.87	3.41	10.92	41.45
21	AT 355 x Guj.Til-3	0.84	62.93	1.00	43.93	3.23	11.56	40.36
22	AT 355 x Guj.Til-4	0.91	68.60	1.00	53.40	3.55	12.53	42.75
23	AT 355 x Guj.Til-10	0.82	64.20	1.60	56.00	2.98	11.26	40.23
24	TC 66 x Guj.Til-1	0.87	53.53	1.40	62.00	3.35	9.28	48.05
25	TC 66 x Guj.Til-2	0.94	84.20	1.00	52.80	2.84	15.22	45.82

(Contd...)

10	11	12	13	14	15	16	17	18
26	TC 66 x Guj.Til-3	0.88	64.60	1.00	56.27	3.29	11.29	47.80
27	TC 66 x Guj.Til-4	0.87	32.47	1.00	55.67	3.80	8.32	46.45
28	TC 66 x Guj.Til-10	0.91	63.27	1.00	53.40	2.56	11.57	47.18
29	DPI 1484 x Guj.Til-1	0.89	81.27	1.00	52.67	2.47	14.02	41.47
30	DPI 1484 x Guj.Til-2	0.92	88.87	1.00	40.80	2.76	15.75	42.02
31	DPI 1484 x Guj.Til-3	0.98	45.47	1.00	46.40	2.96	8.45	46.48
32	DPI 1484 x Guj.Til-4	0.96	41.20	1.00	51.13	3.18	9.35	47.13
33	DPI 1484 x Guj.Til-10	0.86	64.47	1.00	57.40	3.17	11.61	43.64
34	IC 96128 x Guj.Til-1	0.98	57.20	1.00	54.93	3.32	10.21	44.91
35	IC 96128 x Guj.Til-2	0.80	75.00	1.00	55.20	3.45	12.42	47.11
36	IC 96128 x Guj.Til-3	0.99	64.33	1.00	60.67	3.08	9.47	44.78
37	IC 96128 x Guj.Til-4	0.89	47.13	1.00	61.13	3.30	8.24	47.10
38	IC 96128 x Guj.Til-10	0.99	71.13	1.00	53.07	3.22	11.50	45.84
39	RT 33 x Guj.Til-1	0.88	32.80	1.00	49.47	3.37	7.53	47.19
40	RT 33 x Guj.Til-2	0.90	49.67	1.67	55.33	2.85	8.84	46.66
41	RT 33 x Guj.Til-3	0.82	51.33	1.00	52.47	2.91	9.57	46.43
42	RT 33 x Guj.Til-4	0.92	47.00	1.00	57.00	3.24	8.11	47.41
43	RT 33 x Guj.Til-10	0.85	105.60	1.00	48.27	3.54	18.08	44.92
44	LIMDI 9 x Guj.Til-1	0.76	70.87	1.53	54.60	3.33	13.08	47.80
45	LIMDI 9 x Guj.Til-2	0.84	57.47	1.47	50.40	3.21	9.33	46.59
46	LIMDI 9 x Guj.Til-3	0.78	51.67	1.00	54.47	3.70	8.54	47.88
47	LIMDI 9 x Guj.Til-4	0.89	40.80	1.00	56.47	2.93	8.33	47.25
48	LIMDI 9 x Guj.Til-10	0.79	57.93	1.00	51.87	3.34	10.59	46.38
49	RSE 3 x Guj.Til-1	0.82	34.47	1.67	56.33	2.83	7.66	47.62
50	RSE 3 x Guj.Til-2	0.75	51.73	1.00	61.47	3.36	9.20	46.63
51	RSE 3 x Guj.Til-3	0.89	34.87	1.00	55.87	3.53	8.70	47.11
52	RSE 3 x Guj.Til-4	0.86	52.40	1.33	49.47	3.65	10.07	47.98
53	RSE 3 x Guj.Til-10	0.80	71.47	1.00	52.47	3.23	12.20	46.35
54	Guj.Til-2 (Check)	0.91	49.67	1.93	48.87	3.03	10.17	47.14
	Overall mean	0.87	56.91	1.17	52.75	3.15	10.44	45.83
	SEM ±	0.03	2.69	0.06	1.65	0.09	0.50	1.00
	CD at 5%	0.07	7.54	0.16	4.61	0.26	1.40	2.81
	CV%	5.23	8.18	8.23	5.40	5.01	8.31	3.79

