

Table 3 *per se* oil content (%) of parents & 66 crosses (upper half), estimates of general combining effects (diagonals) and specific combining effects (lower half)

Genotype	B 67	Vinayak	TC 25	CST 785	Pratap	BS 5-18-6	RT- 103	TMV-5	T 13	Madhabi	Phule Til-1	E8	Oil content of parents (%)
B67	-2.22	45.53	47.67	48.50	48.27	46.80	54.73**	48.45	46.10	47.0	47.40	51.33	49.9
Vinayak	-3.56	0.33*	50.20	52.63	53.97*	49.0	52.40	51.90	53.23*	52.80	52.30	50.73	51.3
TC25	-1.23	-1.25	0.14	51.97	53.10	47.97	50.37	54.43**	48.0	51.37	52.63	47.83	54.6**
CST 785	-1.00	0.58	0.10	0.75*	58.40**	51.40	50.47	49.73	47.23	58.23**	58.17**	47.77	53.8*
Pratap	-1.90	1.25	0.57	2.27**	1.41*	48.77	50.43	54.13**	58.03**	58.0**	52.33	51.93	52.0
BS 5-18-6	0.22	-0.13	-0.97	1.86*	-1.44	-2.18	50.33	50.73	48.77	47.63	49.10	47.20	47.2
RT 103	4.97**	0.08	-1.76	-2.26	-2.96	0.53	1.01*	54.30**	58.27**	47.33	54.03**	47.60	54.8**
TMV 5	-1.72	-0.81	1.92*	-3.39	0.35	0.54	0.92	1.40*	52.73	54.17**	53.40*	50.30	54.0*
T 13	-2.82	1.76*	-3.29	-4.66	2.48**	-0.19	3.12**	0.19	0.17	54.67**	52.57	48.43	51.5
Madhabi	-2.25	1.00	-0.24	3.02**	2.12*	-1.65	-5.14	1.30	3.03**	0.49*	54.60**	47.03	51.4
Phuletil 1	-2.52	-0.17	0.35	2.28**	-1.21	-0.85	0.89	-0.13	0.27	1.97*	1.16*	50.0	52.7
E8	5.02**	1.86*	-0.85	-1.52	1.99*	0.84	-1.94	0.37	-0.27	-1.99	0.30	-2.44	44.2
Array var.Vr)	0.11	2.75	5.85	3.39	2.88	3.21	3.93	3.72	3.58	5.72	4.94	3.08	-
ArrayCoVar.(Wr)	0.42	5.23	6.64	8.61	5.72	2.18	7.86	4.35	10.65	11.56	5.22	4.90	-

Note: Av. oil content of parents =51.4%, Av. oil content of F1's =50.98%, SE(gi)=0.240, SE(gi-gj)=0.356, SE(sij)=0.84, SE(sij-sik)=1.23, SE(sij-skl) = 1.18;

*, **: Significance at P 0.01 and P 0.05