

ANOVA for DAYS TO FLOWERING

Source of Variations	df	Sum of Squares	Mean Squares	F Ratio	Probability
Replicates	2	29.55592	14.77796	2.101	0.12876
Treatments	42	1637.87137	38.99694	5.543	0.00000 ***
Hybrids	29	338.57805	11.67511	1.660	0.03857 *
Parents	10	637.13281	63.71328	9.057	0.00000 ***
Hybrids vs.Parents	1	554.66247	554.66247	78.843	0.00000 ***
Checks	1	73.50065	73.50065	10.448	0.00176 **
Checks vs.Hybrids	1	77.96585	77.96585	11.082	0.00130 **
Checks vs.Parents	1	5.79897	5.79897	0.824	0.36652
Error	84	590.94408	7.03505		
Total	128	2258.37137	17.64353		

	Mean		
Parent	68.2364	Checks	67.1667
Hybrid	63.4433	General	64.8426
Average Heterosis %	-7.0242		

Heterosis Table

Hybrid	Mean	S.Error	Least	Lesser	Mid	Better	Best	Check 1	Check 2
1*6 COGG -2 * LGG -460	59.533	1.313	-1.54	-9.98 **	-12.06 **	-14.05 **	-20.97 **	-6.49	-15.75 **
1*7 COGG -2 * LGG -410	61.667	1.179	1.98	-6.75 *	-11.27 **	-15.37 **	-18.14 **	-3.14	-12.74 **
1*8 COGG -2 * COGG -220	60.600	1.501	0.22	-8.37 *	-13.26 **	-17.66 **	-19.56 **	-4.82	-14.25 **
1*9 COGG -2 * ML -26 -	62.333	1.601	3.09	-2.40	-4.10	-5.75	-17.26 **	-2.09	-11.79 **
1*10 COGG -2 * PUSA -105	59.133	1.009	-2.21	-10.58 **	-13.88 **	-16.95 **	-21.50 **	-7.12 *	-16.32 **
1*11 COGG -2 * RMG -275	64.000	1.386	5.84	-3.23	-9.52 **	-15.04 **	-15.04 **	0.52	-9.43 **
2*6 ML -267 * LGG -460	61.600	0.902	1.87	-6.10	-8.65 **	-11.07 **	-18.23 **	-3.25	-12.83 **
2*7 ML -267 * LGG -410	63.833	0.384	5.57	-2.69	-7.80 **	-12.40 **	-15.27 **	0.26	-9.67 **
2*8 ML -267 * COGG -22	62.300	1.955	3.03	-5.03	-10.49 **	-15.35 **	-17.30 **	-2.15	-11.84 **
2*9 ML -267 * ML -26 -	62.267	0.835	2.98	-2.51	-3.81	-5.08	-17.35 **	-2.20	-11.89 **
2*10 ML -267 * PUSA -105	62.333	1.288	3.09	-4.98	-8.87 **	-12.45 **	-17.26 **	-2.09	-11.79 **
2*11 ML -267 * RMG -275	64.300	2.850	6.34	-1.98	-8.75 **	-14.65 **	-14.65 **	0.99	-9.01 **
3*6 PUSA -105 * LGG -460	60.533	0.533	5.07	-2.36	-5.41	-8.28 **	-15.66 **	-0.21	-10.09 **
3*7 PUSA -105 * LGG -410	64.400	0.503	6.50	-1.02	-6.62 *	-11.62 **	-14.51 **	1.15	-8.87 **
3*8 PUSA -105 * COGG -22	63.000	0.872	7.50 *	-0.10	-6.25 *	-11.68 **	-13.72 **	2.09	-8.02 *
3*9 PUSA -105 * ML -26 -	63.933	0.581	5.73	0.10	-0.83	-1.74	-15.13 **	0.42	-9.53 **
3*10 PUSA -105 * PUSA -105	66.800	1.778	10.47 **	2.66	-1.96	-6.18 *	-11.33 **	4.92	-5.47
3*11 PUSA -105 * RMG -275	64.133	0.636	6.06	-1.43	-8.64 **	-14.87 **	-14.87 **	0.73	-9.25 **
4*6 RMG -275 * LGG -460	65.600	0.577	8.49 *	8.49 *	1.13	-5.29	-12.92 **	3.04	-7.17 *
4*7 RMG -275 * LGG -410	66.200	0.721	9.48 **	9.48 **	-0.70	-9.15 **	-12.12 **	3.98	-6.32 *
4*8 RMG -275 * COGG -22	65.133	0.570	7.72 *	7.72 *	-2.83	-11.50 **	-13.54 **	2.30	-7.83 *
4*9 RMG -275 * ML -26 -	65.733	1.035	8.71 *	8.71 *	5.74	2.92	-12.74 **	3.25	-6.98 *
4*10 RMG -275 * PUSA -105	65.200	0.306	7.83 *	7.83 *	-0.96	-8.43 **	-13.45 **	2.41	-7.74 *
4*11 RMG -275 * RMG -275	69.667	0.353	0.33	0.33	-10.65 **	-19.47 **	-19.47 **	-4.71	-14.15 **
5*6 PDM -89 - * LGG -460	62.100	0.874	2.70	-7.59 *	-8.99 **	-10.35 **	-17.57 **	-2.46	-12.12 **
5*7 PDM -89 - * LGG -410	62.133	1.073	2.76	-7.54 *	-11.28 **	-14.73 **	-17.52 **	-2.41	-12.08 **
5*8 PDM -89 - * COGG -22	65.400	0.529	8.16 *	-2.68	-7.10 **	-11.14 **	-13.19 **	2.72	-7.45 *
5*9 PDM -89 - * ML -26 -	65.267	1.940	7.94 *	2.19	-0.41	-2.88	-13.36 **	2.51	-7.64 *
5*10 PDM -89 - * PUSA -105	63.967	1.114	5.79	-4.81	-7.56 **	-10.16 **	-15.09 **	0.47	-9.48 **
5*11 PDM -89 - * RMG -275	64.200	0.643	6.17	-4.46	-9.92 **	-14.78 **	-14.78 **	0.84	-9.15 **

Hybrids' Comparison with	St.E.Diff.	CD 95%	CD 99%
Mid Parent	1.88	3.73	4.94
Lesser/Better Parent	2.17	4.31	5.71
Least/Best Parent	2.17	4.31	5.71
Checks	2.17	4.31	5.71

Heterosis Ranges

