

## Supplementary Tables

**Table 4.1.** ANOVA for days to 50% silking of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	149.76	74.88	168.48	0.00001**
Treatment	62	2073.09	33.43	75.23	0.00001**
Checks	2	6.22	3.11	7.00	0.00172**
Accessions	59	2104.85	35.67	80.26	0.00001**
Chk vs Test	1	37.98	37.98	85.45	0.00001**
Error	4	1.77	0.44	-----	-----
Total	68	2224.63	-----	-----	-----

\*\* (Probability at 1%)

**Table 4.2.** ANOVA for days to 50% tasseling of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	119.30	59.65	33.55	0.00001**
Treatment	62	1544.80	24.91	14.01	0.00001**
Checks	2	1.55	0.77	0.43	0.74645 <sup>NS</sup>
Accessions	59	1604.93	27.20	15.30	0.00001**
Chk vs Test	1	61.68	61.68	34.69	0.00001**
Error	4	7.11	1.77	-----	-----
Total	68	1671.21	-----	-----	-----

\*\* (Probability at 1%) and NS (Non-Significant)

**Table 4.3.** ANOVA for days to 90% maturity of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	137.15	68.57	0.90	0.40776 <sup>NS</sup>
Treatment	62	5212.22	84.06	1.11	0.33061 <sup>NS</sup>
Checks	2	1213.55	606.77	8.04	0.00073**
Accessions	59	3686.40	62.48	0.82	0.76976 <sup>NS</sup>
Chk vs Test	1	312.26	312.26	4.13	0.04580*

Error	4	301.77	75.44	-----	-----
Total	68	5651.15	-----	-----	-----

\*\* (Probability at 1%), \* (Probability at 5%) and NS (Non-Significant)

**Table 4.4. ANOVA for plant height of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.**

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	7473.53	3736.76	151.22	0.00001**
Treatment	62	73357.66	1183.18	47.88	0.00001**
Checks	2	322.30	161.15	6.52	0.00250**
Accessions	59	79775.01	1352.11	54.72	0.00001**
Chk vs Test	1	6739.65	6739.65	272.75	0.00001**
Error	4	98.83	24.70	-----	-----
Total	68	80930.03	-----	-----	-----

\*\* (Probability at 1%), \* (Probability at 5%)

**Table 4.5. ANOVA for number of ears plant<sup>-1</sup> of 60 maize genotypes along with three checks, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.**

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	0.09	0.04	43.17	0.00001**
Treatment	62	17.76	0.28	257.88	0.00001**
Checks	2	0.00	0.00	4.00	0.02278*
Accessions	59	17.04	0.28	259.99	0.00001**
Chk vs Test	1	0.71	0.71	641.00	0.00001**
Error	4	0.00	0.00	-----	-----
Total	68	17.86	-----	-----	-----

\*\* (Probability at 1%), \* (Probability at 5%)

**Table 4.6. ANOVA for tassel length of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.**

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	181.77	90.88	27.44	0.00001**
Treatment	62	2095.06	33.79	10.20	0.00001**
Checks	2	42.93	21.46	6.48	0.00264**
Accessions	59	1889.74	32.02	9.67	0.00001**
Chk vs Test	1	162.38	162.38	49.04	0.00001**

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Error	4	13.24	3.31	-----	-----
Total	68	2290.08	-----	-----	-----

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\*\* (Probability at 1%), \* (Probability at 5%)

**Table 4.7. ANOVA for number of grains cob<sup>-1</sup> of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.**

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	39256.02	19628.01	653.43	0.00001**
Treatment	62	727837.98	11739.32	390.81	0.00001**
Checks	2	31127.06	15563.53	518.12	0.00001**
Accessions	59	574931.69	9744.60	324.40	0.00001**
Chk vs Test	1	121779.23	121779.23	4054.12	0.00001**
Error	4	120.15	30.03	-----	-----
Total	68	767214.16	-----	-----	-----

\*\* (Probability at 1%)

**Table 4.8. ANOVA for number of rows cob<sup>-1</sup> of 60 maize genotypes along with three check cultivars, evaluated for yield traits during the year 2016 of Kharif crop season at PGRI, NARC-Islamabad, Pakistan.**

Source	DF	SS	MSS	F-Cal	P-Value
Blocks	2	1.76	0.88	0.77	0.46382 <sup>NS</sup>
Treatment	62	151.46	2.44	2.15	0.00112**
Checks	2	8.69	4.34	3.82	0.02661*
Accessions	59	139.87	2.37	2.08	0.00180**
Chk vs Test	1	2.89	2.89	2.54	0.11519 <sup>NS</sup>
Error	4	4.54	1.13	-----	-----
Total	68	157.77	-----	-----	-----

\*\* (Probability at 1%), \* (Probability at 5%) and NS (Non-Significant)