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Indigenous plant-growth-promoting rhizobacteria and chemical fertilisers: impact on wheat (*Triticum aestivum*) productivity and soil properties in North Western Himalayan region

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Supplementary Tables.

ANOVA tables of different parameters presented in table no. 5

Tiller number/plant

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	6.333			
Year	1	0	0	0	1
Treatment	2	16.048	8.024	20.633	0
Interaction year x treatment	2	1.286	0.643	1.653	0.20843
Error	30	11.667	0.389		
Total	41	35.333			

Two Way Mean Table

	T1	T2	T3	Mean A
year1	3.857	5.571	4.571	4.667
year2	3.857	5.143	5	4.667
Mean B	3.857	5.357	4.786	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	0.192	0.136
Treatment	0.484	0.236	0.167
Year x treatment	NS	0.333	0.236

Grain number per spike

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	286.905			

Year	1	27.524	27.524	1.705	0.20154
Treatment	2	585.333	292.667	18.132	0.00001
Interaction year X treatment	2	13.905	6.952	0.431	0.654
Error	30	484.238	16.141		
Total	41	1,397.91			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	36.286	46.571	40.571	41.143
year2	38.571	46.571	43.143	42.762
Mean B	37.429	46.571	41.857	

TABLE OF SEM,SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	1.24	0.877
Treatment	3.116	1.519	1.074
Year x treatment	NS	2.148	1.519

1000 grain weight (g)

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	281.32			
Year	1	26.061	26.061	1.552	0.2225
Treatment	2	226.851	113.425	6.754	0.00379
Interaction year x treatment	2	33.907	16.954	1.01	0.37642
Error	30	503.789	16.793		
Total	41	1,071.93			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	47.679	55.471	52.636	51.929

year2	48.52	52.01	50.527	50.352
Mean B	48.099	53.741	51.581	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	1.265	0.894
Treatment	3.179	1.549	1.095
Year x treatment	NS	2.19	1.549

Grain yield t/ha.

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	1.375			
Year	1	0.593	0.593	16.531	0.00032
Treatment	2	0.778	0.389	10.847	0.00029
Interaction year x treatment	2	0.014	0.007	0.192	0.82661
Error	30	1.076	0.036		
Total	41	3.835			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	3.273	3.64	3.497	3.47
year2	3.086	3.384	3.227	3.232
Mean B	3.179	3.512	3.362	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	0.12	0.058	0.041
Treatment	0.147	0.072	0.051
Year x treatment	NS	0.101	0.072

Straw wt t/ ha

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	8.027			
Year	1	0.361	0.361	4.813	0.03613
Treatment	2	6.717	3.359	44.753	0
Interaction year X treatment	2	0.038	0.019	0.252	0.77889
Error	30	2.251	0.075		
Total	41	17.394			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	9.671	10.619	10.299	10.196
year2	9.5	10.5	10.033	10.011
Mean B	9.586	10.559	10.166	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	0.173	0.085	0.06
Treatment	0.212	0.104	0.073
Year x treatment	NS	0.146	0.104

Total N uptake

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	3,807.81			
Year	1	344.572	344.572	1.389	0.24787
Treatment	2	5,223.98	2,611.99	10.527	0.00034

Interaction year x treatment	2	2.853	1.426	0.006	0.99427
Error	30	7,443.35	248.112		
Total	41	#####			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	218.083	244.726	232.397	231.735
year2	223.031	250.954	238.394	237.46
Mean B	220.557	247.84	235.396	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	4.861	3.437
Treatment	12.218	5.954	4.21
Year x treatment	NS	8.42	5.954

Total P uptake

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	62.95			
Year	1	3.001	3.001	0.444	0.51006
Treatment	2	166.227	83.114	12.311	0.00012
Interaction year X treatment	2	10.412	5.206	0.771	0.47143
Error	30	202.534	6.751		
Total	41	445.125			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	21.723	25.379	23.746	23.616
year2	21.101	27.189	24.159	24.15

Mean B	21.412	26.284	23.952	
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TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	0.802	0.567
Treatment	2.015	0.982	0.694
Year x treatment	NS	1.389	0.982

Total K uptake

Analysis of Variance Table

Source of Variation	DF	Sum of Squares	Mean Squares	F-Calculated	Significance
Replication	6	2,154.45			
Year	1	325.934	325.934	1.699	0.20238
Treatment	2	3,423.91	1,711.96	8.922	0.00091
Interaction year x treatment	2	32.869	16.434	0.086	0.91814
Error	30	5,756.28	191.876		
Total	41	11,693.44			

Two Way Mean Table

	B1	B2	B3	Mean A
year1	210.233	233.838	224.121	222.731
year2	216.896	236.93	231.091	228.306
Mean B	213.564	235.384	227.606	

TABLE OF SEM, SED AND C.D.

Factors	C.D.	SE(d)	SE(m)
Year	NS	4.275	3.023
Treatment	10.744	5.236	3.702
Year x treatment	NS	7.404	5.236