

Supplementary Table 1. Analysis of variance for the effect of 20N:20P:20K and time of fertilizing on different traits of the Inspiration pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
20N:20P:20K (F)	1	7.77**	93.5**	1.50**	3.470**	0.039**	2.548**	41251.5**	120.40	618.10**
Time of fertilizing (T)	1	1.04	35.8**	0.37**	0.236	0.0001	0.244	24257.0**	106.04	741.04**
F×T	1	5.84	14.02**	0.177**	0.198	0.002	0.007	1162.0	93.84	0.375
Error	20	2.75	0.245	0.012	0.152	0.001	0.263	314.8	83.50	8.79
CV (%)		10.9	2.96	1.39	13.2	8.9	14.3	19.1	12.8	15.2

**: Significant at 0.01 probability level.

Supplementary Table 2. Analysis of variance for the effect of 20N:20P:20K and time of fertilizing on different traits of the Arancia pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
20N:20P:20K (F)	1	31.28**	123.12**	1.046**	1.780**	0.008**	0.548*	49322.5**	1.46**	514.30**
Time of fertilizing (T)	1	14.10*	54.54**	0.348**	0.154	0.0011	0.0001	32413.4**	1.10*	583.04**
F×T	1	0.027	1.12	0.023	0.019	0.0001	0.085	37.5	0.036	1.26
Error	20	2.35	0.386	0.009	0.101	0.0001	0.075	476.2	0.171	9.20
CV (%)		14.3	8.6	15.4	18.7	9.3	12.2	16.5	10.9	17.3

*, **: Significant at 0.05 and 0.01 probability levels, respectively.

Supplementary Table 3. Analysis of variance for the effect of 20N:20P:20K and time of fertilizing on different traits of the Tarento pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
20N:20P:20K (F)	1	0.77	75.36**	0.913**	0.011	0.009**	0.038	24540.3**	3.17**	238.7**
Time of fertilizing (T)	1	0.74	48.59**	0.437**	0.018	0.002	0.001	28733.3**	1.40**	941.2**
F×T	1	1.64	5.02**	0.112*	0.027	0.0001	0.236	805.1	0.577*	29.7**
Error	20	2.44	0.452	0.015	0.114	0.001	0.168	672.5	0.127	3.25
CV (%)		11.2	9.36	14.93	14.3	13.5	12.7	15.2	7.53	3.68

*, **: Significant at 0.05 and 0.01 probability levels, respectively.

Supplementary Table 4. Analysis of variance for the effect of 10N:45P:10K and time of fertilizing on different traits of the Inspiration pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
10N:45P:10K (F)	1	9.75**	67.50	0.297**	0.137	0.001	0.004	21301.5**	4.400**	1052.1**
Time of fertilizing (T)	1	20.40**	56.80	0.193**	0.005	0.0001	0.070	8702.0**	0.019	194.0**
F×T	1	22.24**	12.02	0.067**	1.240**	0.003	0.344	4401.0*	0.528	73.7*
Error	20	2.15	83.6	0.004	0.152	0.001	0.174	588.5	0.336	14.79
CV (%)		5.43	11.23	10.99	25.81	15.2	13.5	18.1	14.2	10.41

*, **: Significant at 0.05 and 0.01 probability levels, respectively.

Supplementary Table 5. Analysis of variance for the effect of 10N:45P:10K and time of fertilizing on different traits of the Arancia pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
10N:45P:10K (F)	1	18.78**	9.12**	0.075**	0.263**	0.002	0.184	12512.5	0.232	821.30**
Time of fertilizing (T)	1	8.64	9.94**	0.056**	0.258*	0.0011	0.120	3552.4	0.534*	357.40**
F×T	1	0.07	0.552	0.001	1.440**	0.0001	1.050**	1980.2	0.025	2.53
Error	20	3.46	1.97	0.005	0.049	0.0001	0.063	4182.2	0.074	15.50
CV (%)		15.2	13.11	16.8	12.2	10.3	29.8	19.6	21.2	20.9

*, **: Significant at 0.05 and 0.01 probability levels, respectively.

Supplementary Table 6. Analysis of variance for the effect of 10N:45P:10K and time of fertilizing on different traits of the Tarento pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
10N:45P:10K (F)	1	59.7**	4.96**	0.01	0.0011	0.0001	0.002	3626.3**	0.358	947.7**
Time of fertilizing (T)	1	0.007	9.29**	0.059*	1.300**	0.004**	0.54**	4187.3**	1.650**	337.2**
F×T	1	5.24	1.34*	0.044*	2.300**	0.008**	1.81**	273.0	0.368	8.7
Error	20	2.04	0.25	0.009	0.038	0.00001	0.063	364.0	0.097	11.4
CV (%)		18.2	25.6	22.75	19.47	3.65	29.01	21.5	17.2	20.1

*, **: Significant at 0.05 and 0.01 probability levels, respectively.

Supplementary Table 7. Analysis of variance for the combination effect of biological fertilizer and 20N:20P:20K on the Inspiration pepper cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoots	Dry weight of shoots	Fresh weight of roots	Dry weight of roots	Root volume	Leaf area	Stem diameter	Chlorophyll index
Treatment	5	36.80**	141.5**	1.800**	2.40**	0.028**	1.900**	84840.4**	23.870**	126.56**
Error	30	3.92	3.3	0.078	0.27	0.003	0.277	2116.5	0.194	5.10
CV (%)		7.03	23.5	18.8	6.36	6.52	30.32	19.55	9.33	4.97

** : Significant at 0.01 probability level.

Supplementary Table 8. Analysis of variance for the combination effect of biological fertilizer and 20N:20P:20K on the Arancia cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoot	Dry weight of shoot	Fresh weight of root	Dry weight of root	Root volume	Leaf area	Stem diameter	Chlorophyll index
Treatment	5	13.29**	87.87**	137.075**	0.735**	0.009**	1.600**	54319.5**	18.63**	1150.3**
Error	30	1.75	4.25	13.250	0.084	0.001	0.098	342.2	1.05	17.5
CV (%)		5.03	29.83	18.2	25.87	28.74	29.53	9.4	23.6	9.4

** : Significant at 0.01 probability level.

Supplementary Table 9. Analysis of variance for the combination effect of biological fertilizer and 20N:20P:20K on the Tarento cultivar.

SOV	df	Mean squares								
		Plant height	Fresh weight of shoot	Dry weight of shoot	Fresh weight of root	Dry weight of root	Root volume	Leaf area	Stem diameter	Chlorophyll index
Treatment	5	8.6**	74.6**	0.901**	1.580**	0.014**	1.360**	43570.3**	20.70**	1409.9**
Error	30	1.2	5.2	0.009	0.041	0.001	0.011	1216.1	1.39	54.2
CV (%)		4.42	34.6	2.13	19.5	28.7	10.7	19.44	27.16	11.74

** : Significant at 0.01 probability level.