

**Table S4.** The comparative effect between algae fertilization from (Aug. – Oct. 2019), the synergic effect for dried algae and biochar (Sep. – Nov. 2019), and biochar with mineral fertilization effect (July– Sep. 2019) on the plant parameters during the early growth stage (7 weeks) of “Rehan” cultivar.

Parameters	Algae fertilization (Aug. – Oct. 2019)	Algae +biochar fertilization (Sep. – Nov. 2019)	Biochar fertilization (with mineral addition) (July – Sep. 2019)	Sig.
No. of tillers	6.8 ± 3.5	3.67 ± 0.73	9.17 ± 3.43	<b>0.028</b>
No. of ears	0.17 ± 0.41	0.00 ± 0.00	4.67 ± 1.21	<b>0.001</b>
Leaf area [cm <sup>2</sup> ]	577.4 ± 460.98	106.21 ± 48.12	275.50 ± 157.98	0.155
Shoot dry weight [g]	2.62 ± 1.49	0.57 ± 0.28	7.22 ± 1.41	<b>0.002</b>
Root dry weight [g]	0.61 ± 0.38	0.23 ± 0.03	2.76 ± 2.86	<b>0.027</b>
Shoot/Root dry weight	4.53 ± 0.93	2.37 ± 0.90	11.36 ± 16.32	0.848
Root length [cm]	2151.95 ± 1627.70	757.54 ± 126.47	5496.62 ± 341.37	<b>0.002</b>
Root area [cm <sup>2</sup> ]	956.16 ± 889.92	102.04 ± 20.18	1149.49 ± 83.70	<b>0.041</b>
Avg. diameter [mm]	0.50 ± 0.12	0.43 ± 0.03	0.33 ± 0.00	<b>0.004</b>

---

**Note:** p-value are displayed in bold script when  $p \leq 0.05$

Different letters in significance column indicate Kruskal–Wallis, the value represent mean  $\pm$  standard deviation in categories column

---