

Table S1. The effects of different combinations of salinity levels and fertilizer types on early growth stage (7 weeks) for Rehan barley cultivar.

Plant growth parameters		Fertilizers + Salinity Concentrations (EC)												Sig.		
		SoMi513		MIN				ALG				BIO				
				0	4	8	16	0	4	8	16	0	4		8	16
No. Of tillers	8	12.50	10.00	9.33	11.33	1.00	2.33	2.00	1.33	9.17	8.33	4.17	6.75	0.000		
	(2.76)	(3.08)	(1.67)	(2.73)	(6.56)	(0.00)	(1.21)	(1.55)	(0.82)	(3.43)	(2.34)	(1.47)	(4.91)			
No. of ears	2.33	2.17	4.17	3.83	2.67	0.00	0.00	0.33	0.00	4.67	2.17	2.83	3.00	0.000		
	(1.51)	(2.40)	(1.94)	(2.79)	(2.16)	(0.00)	(0.00)	(0.52)	(0.00)	(1.21)	(1.47)	(1.72)	(0.89)			
Leaf area [cm²]	802.52	658.44	401.28	384.08	661.95	3.10	101.00	22.39	3.11	275.50	374.74	323.90	124.04	0.000		
	(178.08)	(2.40)	(209.11)	(66.87)	(183.37)	(0.30)	(69.52)	(20.24)	(0.79)	(157.98)	(153.60)	(152.46)	(28.06)			
Shoot dry weight [g]	6.48	6.27	4.91	6.10	4.56	0.03	0.51	0.45	0.01	7.23	6.02	5.20	2.71	0.000		
	(1.43)	(2.16)	(2.28)	(1.71)	(1.23)	(0.01)	(0.40)	(0.49)	(0.01)	(1.41)	(3.23)	(1.09)	(1.63)			
Root dry weight [g]	3.6217	3.57	2.54	3.53	1.42	0.01	0.12	0.10	0.01	2.76	2.91	3.02	1.10	0.000		
	(2.57)	(2.83)	(1.99)	(4.73)	(1.42)	(0.00)	(0.12)	(0.11)	(0.00)	(2.86)	(2.34)	(3.43)	(1.30)			
Shoot/Root dry weight	2.905	2.88	4.43	5.24	4.94	2.50	6.42	3.83	1.33	11.36	3.22	4.78	5.65	0.294		
	(2.03)	(2.02)	(4.45)	(4.57)	(2.53)	(1.38)	(4.05)	(2.30)	(0.52)	(16.32)	(1.93)	(3.81)	(3.91)			
Root length [cm]	6272.68	4944.96	3216.71	3778.49	3316.95	36.23	1047.78	466.28	36.10	5496.62	5080.93	4632.77	2902.83	0.000		
	(242.19)	(454.65)	(314.92)	(373.68)	(140.13)	(7.44)	(692.02)	(469.36)	(5.41)	(341.37)	(841.62)	(370.64)	(511.94)			
Root area [cm²]	1818.44	1045.96	760.78	838.97	788.05	2.47	125.60	44.15	4.23	1149.49	1242.86	1035.13	417.73	0.000		
	(156.90)	(278.98)	(129.41)	(94.98)	(72.51)	(0.46)	(104.49)	(45.16)	(1.72)	(83.70)	(357.48)	(284.23)	(146.67)			
Avg. diameter [mm]	0.25	0.40	0.22	0.33	0.37	0.36	0.38	1.46	0.27	0.27	0.32	0.30	0.27	0.000		
	(0.01)	(0.20)	(0.02)	(0.00)	(0.03)	(0.01)	0.03((1.82)	(0.02)	(0.01)	(0.02)	(0.01)	(0.01)			

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

Different letters in significant column indicate Kruskal–Wallis, the value represent mean (standard deviation) in categories column