

Table 3 Vegetative biomass of *Zea mays* under salinity treatments with and without Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) application

Growth parameters (g)	With and without HP	Salinity treatment (mM NaCl)					
		0	50	100	150	200	250
Leaf fresh weight	WHP	64.91±1.05 <sup>a</sup>	47.60±0.81 <sup>b</sup>	46.85±0.58 <sup>b</sup>	39.28±1.00 <sup>bc</sup>	39.65±0.29 <sup>bc</sup>	30.90±5.35 <sup>c</sup>
	PHP	61.90±3.09 <sup>a</sup>	47.56±1.48 <sup>b</sup>	37.50±1.59 <sup>bc</sup>	46.96±1.07 <sup>bc</sup>	41.13±0.78 <sup>bc</sup>	44.32±0.35 <sup>b</sup>
Stem fresh weight	WHP	142.63±1.30 <sup>a</sup>	105.31±0.81 <sup>b</sup>	103.30±1.45 <sup>b</sup>	54.22±0.22 <sup>c</sup>	38.05±1.03 <sup>c</sup>	35.15±0.57 <sup>c</sup>
	PHP	149.90±0.39 <sup>a</sup>	113.56±0.82 <sup>b</sup>	102.98±0.13 <sup>b</sup>	61.92±0.41 <sup>c</sup>	41.58±0.36 <sup>d</sup>	35.03±0.38 <sup>d</sup>
Root fresh weight	WHP	52.84±0.15 <sup>a</sup>	37.94±1.50 <sup>b</sup>	33.45±0.41 <sup>b</sup>	24.45±0.58 <sup>c</sup>	28.26±0.94 <sup>c</sup>	28.13±0.43 <sup>c</sup>
	PHP	55.13±0.57 <sup>a</sup>	42.77±0.62 <sup>b</sup>	43.05±0.81 <sup>b</sup>	34.20±0.71 <sup>c</sup>	32.62±0.81 <sup>c</sup>	35.28±0.59 <sup>c</sup>
Leaf dry weight	WHP	39.98±2.10 <sup>a</sup>	32.87±1.93 <sup>a</sup>	28.12±1.56 <sup>bc</sup>	21.11±0.78 <sup>bc</sup>	17.78±0.17 <sup>c</sup>	15.41±0.16 <sup>c</sup>
	PHP	30.16±0.49 <sup>a</sup>	30.66±0.23 <sup>a</sup>	29.72±0.17 <sup>a</sup>	23.00±0.19 <sup>b</sup>	15.92±0.11 <sup>bc</sup>	15.07±0.17 <sup>bc</sup>
Stem dry weight	WHP	72.20±0.44 <sup>a</sup>	65.62±0.85 <sup>b</sup>	52.10±0.53 <sup>b</sup>	35.26±0.69 <sup>c</sup>	31.21±1.55 <sup>c</sup>	22.36±0.46 <sup>d</sup>
	PHP	69.12±0.52 <sup>a</sup>	68.03±0.50 <sup>a</sup>	64.25±0.32 <sup>a</sup>	57.47±1.31 <sup>b</sup>	27.80±0.53 <sup>c</sup>	27.75±0.21 <sup>c</sup>
Root dry weight	WHP	33.47±0.38 <sup>a</sup>	29.36±0.66 <sup>b</sup>	22.27±0.18 <sup>b</sup>	20.19±0.32 <sup>b</sup>	24.61±0.84 <sup>b</sup>	25.11±0.59 <sup>b</sup>
	PHP	34.15±0.55 <sup>a</sup>	23.25±0.41 <sup>b</sup>	23.66±0.83 <sup>b</sup>	25.10±1.31 <sup>b</sup>	24.66±0.65 <sup>b</sup>	23.23±0.42 <sup>b</sup>
Total biomass	WHP	145.24±2.21 <sup>a</sup>	128.58±2.0 <sup>b</sup>	102.80±1.52 <sup>c</sup>	76.63±1.16 <sup>d</sup>	73.71±1.69 <sup>d</sup>	62.90±0.71 <sup>d</sup>
	PHP	133.43±0.72 <sup>a</sup>	121.92±0.77 <sup>ab</sup>	117.65±0.88 <sup>ab</sup>	105.57±0.97 <sup>ab</sup>	68.38±0.93 <sup>c</sup>	65.71±0.47 <sup>c</sup>

Note: Values are mean ± standard error of 8 replicates (Tukey HSD test at  $p \leq 0.05$ ). Mean with the same alphabet(s) along the row are not significantly different from each other. PHP: plus hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>); WHP: without hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>)