Table S1. *P*-values of the two-way analysis of the measured parameters in wheat (*Triticum aestivum* L. cv. Sids 14) plants as affected by foliar' treatments under different salinity levels. *P*-values in bold are considered significant (<0.05, n = 4). 'S': effect of salinity levels; 'T': effect of foliar treatments; S x T: effect of the variables' interaction.

		Main-factor effects		Significant interaction
		S	T	S x T
Total leaf area plant^{-1}		<0.0001	<0.0001	-
Shoot dry weight plant^{-1}		<0.0001	<0.0001	0.2488
Root dry weight plant^{-1}		<0.0001	<0.0001	-
Grains number plant^{-1}		<0.0001	<0.0001	0.3903
Grain yield plant^{-1}		<0.0001	<0.0001	-
N concentration	**shoots**	<0.0001	<0.0001	0.3886
	grains	<0.0001	<0.0001	-
P concentration	**shoots**	<0.0001	<0.0001	0.0076
	grains	<0.0001	<0.0001	0.3777
K^+ concentration	**shoots**	<0.0001	<0.0001	0.0042
	grains	<0.0001	<0.0001	-
Na^+ concentration	**shoots**	<0.0001	<0.0001	<0.0001
	grains	0.0001	0.0001	0.1417
Ca^{2+} concentration	**shoots**	<0.0001	<0.0001	0.0815
	grains	<0.0001	0.0004	-
Mg^{2+} concentration	**shoots**	<0.0001	<0.0001	0.0574
	grains	<0.0001	<0.0001	0.0351
Fe concentration	**shoots**	<0.0001	<0.0001	0.0627
	grains	<0.0001	<0.0001	0.0133
Zn concentration	**shoots**	<0.0001	<0.0001	0.1949
	grains	<0.0001	<0.0001	0.1228
Cu concentration	**shoots**	<0.0001	<0.0001	0.1268
	grains	<0.0001	<0.0001	0.0010
K^+/Na^+ ratio	**shoots**	<0.0001	<0.0001	0.0001
	grains	<0.0001	<0.0001	-
Ca^{2+}/Na^+ ratio	**shoots**	0.0003	<0.0001	<0.0001
	grains	0.0447	<0.0001	0.1209
Mg^{2+}/Na^+ ratio	**shoots**	0.3091	<0.0001	<0.0001
	grains	0.3277	<0.0001	0.0188
ATP content		<0.0001	<0.0001	0.0076
PM H^+-ATPase activity		<0.0001	<0.0001	0.0377
VM H^+-ATPase activity		<0.0001	<0.0001	0.0098
VM H^+-PPase activity		<0.0001	<0.0001	0.0081
Relative water content %		<0.0001	<0.0001	0.0009
Free amino acids concentration		<0.0001	0.0001	0.0340
Superoxide content		<0.0001	<0.0001	<0.0001
Electrolyte leakage %		<0.0001	<0.0001	0.0005
Membrane stability index %		<0.0001	<0.0001	0.0009
Lipoxygenase activity		<0.0001	<0.0001	<0.0001
Superoxide dismutase activity		<0.0001	<0.0001	<0.0001
Catalase activity		<0.0001	<0.0001	<0.0001
Peroxidase activity		<0.0001	<0.0001	<0.0001
Polyphenol oxidase activity		<0.0001	<0.0001	<0.0001

Table S2. Chemical properties of the soil under different salinity levels.

Salinity levels EC (dS m^{-1})	pH	$HCO_3^- + CO_3^{2-}$ (mg kg^{-1})	Cl^- (mg kg^{-1})	SO_4^{2-} (mg kg^{-1})	Ca^{2+} (mg kg^{-1})	Mg^{2+} (mg kg^{-1})	Na^+ (mg kg^{-1})	K^+ (mg kg^{-1})
0.1	7.2	213.5	324.0	430.7	92.2	41.4	3.7	31.4
6.0	7.5	263.6	1173.4	996.9	398.5	173.9	306.7	39.7
12.0	7.8	275.4	1987.8	1686.1	886.5	314.5	808.6	52.6