

Accessory Publication

Table S1. ANOVA for tiller biomass relative to control (Experiment 1)

Model effects in italics are random. Genotype is nested within gender. Significant model effects ($P < 0.05$) in bold text

ANOVA						
Source	DF	Sum of squares	Mean square	F ratio		
Model	105	5.66	0.054	4.82		
Error	372	4.15	0.011	Prob > F		
Total	477	9.81		<0.0001		
Tests with respect to random effects						
Source	SS	MS Num	DF Num	DF Den	F Ratio	Prob > F
Gender	0.0110	0.0110	1	12.24	0.18	0.6771
Treatment	3.2177	3.2177	1	372	288.10	<0.0001
<i>Genotype (Gender)</i>	1.0448	0.0580	18	54.03	3.74	<0.0001
<i>Block</i>	0.3984	0.1328	3	3	7.45	0.0666
Gender × Treatment	0.0060	0.0060	1	0.51	1.91	0.5232
<i>Genotype (Gender) × Treatment</i>	0.1322	0.0073	18	372	0.66	0.8523
<i>Block × Treatment</i>	0.0025	0.0008	3	3	0.12	0.9435
<i>Genotype (Gender) × Block</i>	0.8378	0.0155	54	372	1.39	0.0436
<i>Block × Gender</i>	0.0535	0.0178	3	54.05	1.15	0.3378
<i>Block × Gender × Treatment</i>	0.0209	0.0070	3	372	0.62	0.5996

Table S2. ANOVA results (*P*-values) for leaf water relations (Experiment 1)

Model effects in italics are random. Genotype is nested within gender. Significant model effects ($P < 0.05$) in bold text

Source	Ψ_w	Ψ_s	Ψ_p	Osmotic adjustment
Whole model fit	0.0029	0.0005	0.4748	0.0004
Gender	0.205	0.425	0.247	0.533
Treatment	0.026	0.038	0.069	0.013
<i>Genotype (Gender)</i>	0.239	0.370	0.319	0.873
<i>Block</i>	0.882	0.894	0.605	0.757
Gender \times Treatment	0.496	0.369	0.745	0.378
<i>Genotype(Gender) \times Treatment</i>	0.872	0.814	0.636	0.728
<i>Block \times Treatment</i>	0.589	0.697	0.532	0.804
<i>Genotype (Gender) \times Block</i>	0.507	0.215	0.675	0.152
<i>Block \times Gender</i>	0.249	0.138	0.702	0.326
<i>Block \times Gender \times Treatment</i>	0.364	0.390	0.532	0.184

Table S3. ANOVA results (*P*-values) for foliar ion relations (Experiment 1)

Model effects in italics are random. Genotype is nested within gender. Significant model effects ($P < 0.05$) in bold text. Genotype \times treatment interactions are plotted in Fig. 4

Source	Na exudation rate	Foliar Na	Foliar Na turnover rate	Foliar K:Na
Whole model	<0.0001	<0.0001	<0.0001	<0.0001
Gender	0.933	0.4373	0.5469	0.4419
Treatment	<0.0001	<0.0001	0.0003	<0.0001
<i>Genotype (Gender)</i>	0.0103	0.0061	0.0103	0.0005
<i>Block</i>	0.7159	0.2781		
Gender \times Treatment	0.9064	0.3259	0.9187	0.8894
<i>Genotype (Gender) \times Treatment</i>	0.001	0.0041	0.0237	0.0150
<i>Block \times Treatment</i>	0.9249	0.3056	0.8368	0.8875
<i>Genotype (Gender) \times Block</i>	0.3992	0.2933	0.3824	0.0893
<i>Block \times Gender</i>	0.4464	0.4595	0.887	0.8829
<i>Block \times Gender \times Treatment</i>	0.3716	0.7585	0.4268	0.0863