

Supplementary Material

Supplementary Table S1. Effects of salt stress on plant height and survival rate of different varieties of switchgrass at five-leaf stage

Varieties	Plant height in normal (cm)	Plant height under stress (cm)	Decreasing rate of plant height (%)	Survival rate under salt stress (%)
BoMaster	20.5 ± 0.36	19.7 ± 0.07	3.90	86.6 ± 1.56
Trailblazer	20.0 ± 0.27	19.2 ± 0.18	4.97	63.3 ± 3.11
Forestburg	22.2 ± 0.98	21.1 ± 0.23	4.91	60.0 ± 2.74
Carthage	18.7 ± 0.27	17.8 ± 0.19	4.81	60.0 ± 2.69
Alamo	19.5 ± 0.73	18.3 ± 0.53	6.15	56.7 ± 1.56
Blackwelle	20.5 ± 0.19	18.5 ± 0.32	7.86	56.7 ± 1.56
Cave-in-Rock	19.2 ± 1.01	17.6 ± 0.27	8.33	53.3 ± 1.56
Shawne	20.9 ± 0.58	19.2 ± 0.27	8.13	53.3 ± 2.74
Dacotah	19.6 ± 0.45	17.9 ± 0.21	8.67	36.6 ± 1.56
NE 28	20.6 ± 0.36	18.6 ± 0.29	9.71	33.3 ± 2.73
Pathfinder	20.3 ± 0.91	18.8 ± 0.12	10.34	30.0 ± 1.56

Note: In a pot experiment, switchgrass was continuously watered with 250 mmol/L sodium chloride solution for three days, and the growth performance above was measured on the 7th day.

Supplementary Table S2. Effect of salt stress and humic acid on switchgrass leaf length and leaf width

Treatments	Leaf length (cm)	Leaf width (cm)
Control	27.13 ± 0.92 a	0.98 ± 0.04 a
Salt stress	22.50 ± 0.73 b	0.77 ± 0.03 b
Salt stress + Humic acid	26.73 ± 1.74 a	0.97 ± 0.05 a

Note: Letters “a” and “b” showed a significant difference ($p < 0.05$) among treatments.