

Table 1 Effect of sorbitol on fresh weight, turgid weight, dry weight and RWC in excised etiolated maize leaf segments during greening

Sorbitol Conc. M	Fresh weight mg	Turgid weight mg	Dry weight mg	RWC %
0.0	236±3 (100)	207±2 (100)	22±0.2 (100)	114±2 (100)
0.2	222±4** (94)	205±2*** (99)	21±0.2** (95)	108±1* (94)
0.4	208±3*** (88)	198±1*** (96)	19±1.1 (86)	106±2* (92)
0.6	202±2*** (86)	192±2*** (93)	16±0.8*** (72)	106±1** (93)
0.8	192±2*** (81)	184±3*** (89)	15±0.9*** (68)	105±1** (92)
1.0	189±3*** (80)	183±2*** (88)	14±1.0*** (64)	105±0.4*** (92)

Note: Leaf segments from dark grown maize seedlings were treated with varying concentration of sorbitol in continuous light for 24 h at 25±3°C; values relative to control are given in parentheses; level of significance: 'p' values<0.05*, <0.01**, <0.001*** compared with control