

Table 4 Effect of sorbitol on chlorophyll a, chlorophyll b and chlorophyll a/b ratio in excised etiolated maize leaf segments during greening

Sorbitol Conc. M	Chlorophyll a µg/g fr.wt.	Chlorophyll b µg/g fr.wt.	Chlorophyll a/b ratio
0.0	111±7 (100)	86±7 (100)	1.29±0.16 (100)
0.2	142±4** (127)	39±5*** (45)	3.62±0.64 (281)
0.4	100±3 (90)	28±3*** (32)	3.60±0.46 (275)
0.6	85±9 (77)	28±6*** (32)	3.00±1.06 (232)
0.8	57±3* (51)	21±2*** (24)	2.76±0.39 (210)
1.0	47±2** (42)	18±2*** (21)	2.64±0.5 (202)

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