

Table 3 Effect of sorbitol on total chlorophylls and carotenoids in excised etiolated maize leaf segments during greening

Sorbitol Conc. M	Total Chlorophylls $\mu\text{g/g fr.wt.}$	Carotenoids $\mu\text{g/g fr.wt.}$
0.0	196 \pm 4 (100)	38 \pm 2 (100)
0.2	181 \pm 3* (93)	49 \pm 3* (129)
0.4	128 \pm 4*** (65)	35 \pm 2 (92)
0.6	113 \pm 12*** (58)	26 \pm 4* (68)
0.8	78 \pm 3*** (40)	17 \pm 1*** (45)
1.0	65 \pm 2*** (33)	16 \pm 1*** (42)

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