

Table 5. Pigment content of treated rice leaves, 21 days after germination

Photosynthetic pigments	Mn treatments (mg l ⁻¹)				
	0.125	0.5	2	8	32
Carotenoids ($\mu\text{g mg}^{-1}$ Chl)					
α -carotene	95 ^a	92 ^a	74 ^b	71 ^{bc}	69 ^c
β -carotene	110 ^a	100 ^a	95 ^{ab}	84 ^b	73 ^b
Violaxanthin+Antheraxanthin	7.2 ^a	6.8 ^{ab}	6.5 ^{ab}	5.8 ^b	5.7 ^b
Zeaxanthin	12.9 ^a	12.4 ^a	12.9 ^a	12.4 ^a	10.0 ^b
DEPS	0.821	0.823	0.830	0.841	0.815
Chlorophylls					
a+b (mg g^{-1} fw)	2.05 ^a	1.97 ^a	1.84 ^{ab}	1.80 ^{ab}	1.49 ^b
a/b	2.95	2.87	2.79	2.76	2.91

[DEPS = (zeaxanthin+0.5 antheraxanthin)/(violaxanthin+antheraxanthin+zeaxanthin)]. Each value represents the mean ($n = 9$). Different letters (a, b, c) represent significant differences between Mn treatments.