

Parameters	Symbol	Units	Value	Reference
Maximum growth rate for Tricho.	μ_{\max}^{Tri}	d^{-1}	0.25	Breitbarth et al. (2007)
Maximum growth rate for Nano.	μ_{\max}^{Nano}	d^{-1}	1.0	
Initial slope P-I Tricho.	αI	$(\text{W m}^{-2})^{-1} \text{d}^{-1}$	0.072	Breitbarth et al. (2008) and Hood et al. (2001)
Initial slope P-I Nano.	αI	$(\text{W m}^{-2})^{-1} \text{d}^{-1}$	2.0	
Microzoo preference for Tricho.	p_{Tri}^I	–	0.5	
Microzoo preference for Nano.	p_{Nano}^I	–	1.0	
Maximum Fe / C in Tricho.	$\theta_{\max, \text{Tri}}^{\text{Fe}}$	$\text{mol Fe (mol C)}^{-1}$	1×10^{-4}	Kustka et al. (2003)
Maximum Fe / C in Nano.	$\theta_{\max, \text{Nano}}^{\text{Fe}}$	$\text{mol Fe (mol C)}^{-1}$	4×10^{-5}	
Maintenance iron	m	$\text{mol Fe (mol C)}^{-1}$	1.4×10^{-5}	Kustka et al. (2003)
Maintenance use efficiency	β	$\text{mol C (mol Fe)}^{-1} \text{d}^{-1}$	1.4×10^{-4}	Kustka et al. (2003)