

Parameter	Unit	Description	C	D	SP	N
μ_{\max}	d^{-1}	max. growth rate at 30 °C	3.8	4.6	3.6	0.9
Q_{10}		temperature sensitivity	1.45	1.55	1.5	1.5
k_{NO_3}	mmol N m^{-3}	half-saturation constant for NO_3	0.3	0.5	0.1	1.0
k_{NH_4}	mmol N m^{-3}	half-saturation constant for NH_4	0.03	0.05	0.01	0.15
k_{PO_4}	mmol P m^{-3}	half-saturation constant for PO_4	0.03	0.05	0.01	0.02
k_{DOP}	mmol P m^{-3}	half-saturation constant for DOP	0.3	0.9	0.26	0.09
k_{Fe}	$\mu\text{mol Fe m}^{-3}$	half-saturation constant for Fe	0.10	0.12	0.08	0.08
k_{SiO_3}	mmol Si m^{-3}	half-saturation constant for SiO_3	–	1.0	–	–
α_{PI}	$\frac{\text{mmol C m}^2}{\text{mg Chl W s}}$	initial slope of PI curve	0.4	0.44	0.44	0.38
γ_{\max}	d^{-1}	max. growth rate of Z grazing on P	4.4	3.8	4.4	2.0
z_{grz}	mmol C m^{-3}	half-saturation constant for ingestion	1.05	1.0	1.05	1.2