

Wikiprint Book

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3.14 Compensatory growth

Compensatory growth rate responses are modelled by setting the 'feeding time adjustment rate' ([Group info](#) form) to zero, so that simulated Q/B is allowed to vary with pool biomass (nonzero feeding time adjustment results in simulated organisms trying to maintain Ecopath base Q/B by varying relative feeding time). Net production is assumed proportional (growth efficiency) to Q/B , whether or not this production is due to recruitment or growth. The Q/B increase with decreasing pool biomass is increased by decreasing vulnerability of prey to the pool ([Vulnerabilities](#) form). In the extreme as vulnerability approaches zero (donor or bottom up control), total food consumption rate Q approaches a constant (Ecopath base consumption), so Q/B becomes inversely proportional to B .