

La reproduction du poisson rouge *Carassius auratus* élevé à 30°C. Effet de la photopériode, de l'alimentation et de l'oxygénation



As soon as the fish were acclimatized to 30 C, the gonads of both sexes regressed rapidly. Eight months later, the gonads of the fish raised under long daylight ratio (16L-8D) began to develop again. Maintaining some fish under short daylight ratio (8L-16D) retarded gonadal development by several months but did not inhibit it. Withholding food for 3 successive months or maintaining the water at <5 mg of OSUB-2 /l blocked gametogenesis. Under long daylight ratio at 30 C the plasma c-GtH fluctuated when the female ovaries began to develop. No matter what the environmental conditions were, the fish with reduced gonads showed no peak of plasma GtH during the day. Immature goldfish raised in 30 C water for one year did not show any pituitary c-GtH during that time and did not become pubescent.

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