

— Production de chitine par les crustacés du zooplancton de la baie de Calvi (Corse) —



Chitin was estimated in samples of planktonic crustaceans living in Calvi Bay (Corsica). The percentages of chitin, with respect to dry weight, are comprised between 3.10% in *Clausocalanus* spp. and 12.22% in Cladocera (mainly *Evadne*). The percentage of chitin remained approximately constant during larval development in *Calanus helgolandicus* (3.26%). Using these results and the values of total biomass and production estimated by Dauby (1985) at the same place during a complete annual cycle (1983-1984), chitin biomass and production were calculated for every planktonic crustacean species (or group of species) and for the whole crustacean plankton. Daily chitin production was maximum during May (20.06 mg.m^{super(-2)}/d). As far as the whole year is considered (March 1983 to February 1984), chitin planktonic production was estimated to 1.0014 g.m^{super(-2)}.

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