The invention refers to biotechnology, in particular to a process for cultivation of green algae, which may be used for mass production of microalgae as food for phytophages.

It is proposed a process for cultivation of green algae, including sowing of pure algal culture on a nutrient medium with the following component, in g/L of distilled water:

NH_4NO_3	$1 \cdot 10^{-1}$
KH_2PO_4	$4 \cdot 10^{-2}$
$FeSO_4 \cdot 7H_2O$	$1 \cdot 10^{-5}$
$MgSO_4 \cdot 7H_2O$	$4 \cdot 10^{-2}$
$CaCl_2$	$2 \cdot 10^{-2}$
H_3BO_3	$5{,}148 \cdot 10^{-3}$
$MnCl_2 \cdot 4H_2O$	$3{,}276 \cdot 10^{-3}$
$ZnSO_4 \cdot 7H_2O$	$0{,}3996 \cdot 10^{-3}$
MoO_3	$3{,}175 \cdot 10^{-5}$
NH_4VO_3	$4{,}133 \cdot 10^{-5}$
capsicoside	$4 \cdot 10^{-3} \ldots 5 \cdot 10^{-3}$,

the cultivation being carried out during 8…10 days at a temperature of 24…27°C.

The result of the invention consists in increasing 2-3 times the quantity of the green algae biomass.