

Mixotrophic Method of Aquaculture

ABSTRACT

5 The present invention relates to a method of aquaculture of at least one farmed organism, such as fish, shrimp or any organism suitable for farming in an aquatic environment. There is provided a method of aquaculture of at least one farmed organism, the method comprising steps: (i) providing an aquatic environment comprising at least one farmed organism, phytoplankton and bacteria; (ii) providing at least one phytoplankton nutrient and
10 at least one bacteria nutrient during a first predetermined period, allowing phytoplankton and bacteria to grow in a first predetermined phytoplankton:bacteria ratio of more than 1; (iii) providing at least one phytoplankton nutrient and at least one bacteria nutrient during a second predetermined period, allowing phytoplankton and bacteria to grow in a second predetermined phytoplankton:bacteria ratio, wherein the second predetermined
15 phytoplankton:bacteria ratio is lower than the first predetermined phytoplankton:bacteria ratio; and (iv) providing at least one phytoplankton nutrient and at least one bacteria nutrient during a third predetermined period, allowing phytoplankton and bacteria to grow in a third predetermined phytoplankton:bacteria ratio, wherein the third predetermined phytoplankton:bacteria ratio is lower than the second predetermined phytoplankton:bacteria
20 ratio, thereby allowing the at least one farmed organism to grow.

25 Fig. 1