

2. Agricultural uses → The algae has a diverse types of roles in agriculture. The sea-weeds contain KCl. They are used as fertilizers in many countries, such as Japan, U.S.A, England and in South India.

The sea-weeds are store house of Potash, Ionic sulphate, trace elements and growth substances. The sea weeds manure increases & resist to disease. The available evidences indicate that they result in improvement in yield and quality.

of crop.

Another great role is that about 50 species of blue green algae are capable of fixing nitrogen in their bodies. This biological property is of considerable importance in tropical soil, also in the rice fields.

The important genera fixing atmospheric nitrogen include Anabaena, Aulosira, Nostoc, Anabropsis, Calothrix, Cylindrocapsa etc.

3. ALGAE AS FODDER → The sea weeds are widely used as a source of food of the fishes, aquatic amphibians, mammals and other animals. The different species of sea weeds are used as fodder for sheep, horses and cattle. They include Fucus, Ascophyllum, Laminaria, Grigartina etc.

Several factories manufacture stock feed from sea weeds like Fucus, Ascophyllum and Laminaria in many parts of Europe. Sea weeds fodders like "Neptum" from Fucus and algae from Laminaria are now available in the market. The trace elements present in sea weeds are important to sheep and cattle.

4. ALGAE IN MANUFACTURE OF BUILDING →

Germany has discovered a process in which the sea weeds are mixed with cement to make buildings light in weight and good heat resistant.

5. MANUFACTURE OF PAPER →

Rough paper are being manufactured from sea-weeds.

6. ALGAE AS HUMAN FOOD →

Sea weeds are the most common algae that are used for human consumption in the south and south east Asian countries. About 20 different kinds of algae belonging to green, brown, red and blue green algae are eaten by Japanese people. The total sales of Porphyra teniro alone in Japan amounts to as much as 88. millions US dollars in a year.

The sea weed farming in Japan is a major agricultural industry operating on a co-operative base. Porphyra is cultivated on net beds, made of air and Nylon. Similarly Laminaria is cultivated on stones cylinders and rope.

kelp - a type of large brown seaweed

The sea weeds provide a good supplement for a balanced diet because of a high nutritional qualities and rich iodine and vitamin contents. It has been reported that the feeding anaemic patients with kelp tablets fortified with cobalt and folic acid, increase in Haemoglobin contents. In Pacific Islands and Phillipine, raw material sea-weed is added to many common foods. In south America dried and salted Ulva and Duvallea are used as food. In Peru, Nostoc is used for preparing a variety of dishes.

7. MANUFACTURE OF POTASH → Several algae such as Macrocystis, Cystic, Nereocystis etc. are used to extract Potash.

8. ALGAE AND ORIGIN OF PETROLEUM
The petroleum and natural gas originated from organic matters in the marine environment. The dead algae remains get accumulated at the bottom of the ocean. These compounds in O_2 free environment are converted into gas. The natural gas is largely CH_4 which is induced by the methane producing