

Importance of Aquaculture in Agriculture

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INTRODUCTION

Aquaculture is the controlled process of rearing, breeding and harvesting of aquatic species, both animals and plants, especially for human consumption, though it is controlled aquatic environments like the oceans, lakes, rivers, ponds, and streams. It's a similar conception to agriculture, but with fish instead of plants or livestock.

All over the world, the demand for seafood is increasing rapidly as the population is increasing. It accounts for more than 50% of the world market for fish or fish products. Today people are more knowledgeable about the importance of aquaculture like seafood and its nutritive value. It provides an efficient means of protein production.

economic importance of aquaculture

- Source of food - the importance of aquaculture as a source of food is indescribable. Fish and other seafood are great sources of protein for Humans. They also have to a greater extent nutritional merit.
- source of fuel - fish or aqua-cultural product is important for use as fuel for a long time. From the early time, it was not commercially but it is using today as commercial purpose as it is sustainable and eco-friendly.
- Job opportunities- aquaculture is creating an increasing number of job opportunities. Potential jobs in the market as it creates both new products for a market and creates job opportunities for the laborers are needed to keep up the pools and harvest the organisms grown properly.

Environmental importance of aquaculture

- Pollution control-This system allows for a buffer state that defends the rest of the sea from contamination from the land, specifically from actions that agitate the sea bed and raise dust.

- Biodiversity Conservation- aquacultures show the way of cultivation of various fishes whatever it cultivated or whatever it wild. Artificial aquacultures help us to defend biodiversity by reducing the fishing activities on the wild stock in their ecosystems.

Social importance of aquaculture

- User conflicts- aquaculture development can generate conflicts between competing users and uses of land and water resources.
- if aquaculture is planned as community-based development of a highly integrated, local operation, then employment opportunities and the potential for positive community impacts increase dramatically.
- Successful aquaculture, like any other business tends to have both positive and negative knock on effects. Fish farming usually leads to an increase in income per unit area of land, and therefore drives up the price or rental value of land.