

# Organic Farming and Biofertilizer Production

## Description:

Bio-fertilizers are being essential component of organic farming are the preparations containing live or latent cells of efficient strains of nitrogen fixing, phosphate solubilizing or cellulolytic micro-organisms used for application to seed, soil or composting areas with the objective of increasing number of such micro-organisms and accelerate those microbial processes which augment the availability of nutrients that can be easily assimilated by plants. Biofertilizers play a very significant role in improving soil fertility by fixing atmospheric nitrogen, both, in association with plant roots and without it, solubilise insoluble soil phosphates and produces plant growth substances in the soil.

The increasing demand for the biofertilizers and the awareness among farmers and planters in the use of biofertilizers have paved way for the fertilizer manufactures and new entrepreneurs to get into biofertilizer production. Bio-fertilizers Demand is much higher than the availability. It is estimated that by 2020, to achieve the targeted production of 321 million tonnes of food grain.

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**Keywords:** organic farming and biofertilizer production, bio fertilizers, role of bio fertilizer in crop production, production and distribution of bio fertilizer, organic farming, method of organic farming, weed and pest management, biofertilizers for rice ecosystem, green manuring, biological nitrogen fixation, organic matter and soil fertility, rice-fish integration of organic farming, agro-eco system in organic rice farming, microorganism for organic farming

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