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Center for Smart Agriculture

Course: Organic Farming



Topic: Meaning and definition of biofertilizer



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Definition

Biofertilizer is a ready-to-use live formulation of such beneficial microorganisms which on application to seed, root or soil, mobilize the availability of nutrients by their biological activity.



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Biofertilizer

The term “biofertilizer” has been defined in different ways over the past 20 years, which derives from the improved understanding of the relationships occurring between the rhizosphere microorganisms and the plant. Biofertilizers may be defined as “substances which contain living microorganisms that colonize the rhizosphere or the interior of the plants and promote growth by increasing the supply or availability of primary nutrients to the target crops, when applied to soils, seeds or plant surfaces”.



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Biofertilizer

Bio-fertilizers, also known as microbial inoculants, have great potential as a supplementary, renewable and environmentally friendly source of plant nutrients and are an important component of Integrated Plant Nutrient System (IPNS).



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Biofertilizer

- The name itself is self explanatory.
- Biofertilizer is a ready-to-use live formulation of such beneficial microorganisms which on application to seed, root or soil, mobilize the availability of nutrients by their biological activity.
- They help build up the soil micro-flora and there by the soil health.
- As we know, organic farming excludes the use of any chemical.
- Use of bio-fertilizer is recommended for improving the soil fertility in organic farming



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THANK YOU