

Biofertilizers

Biofertilizers are defined as preparations containing living cells or latent cells of efficient strains of microorganisms that help crop plants uptake of nutrients by their interactions in the rhizosphere when applied through seed or soil. Biofertilizers could be also called as microbial cultures, bioinoculants, bacterial inoculants or bacterial fertilizers.

Classification of Biofertilizers

S.N	Groups	Examples
A	N₂ fixing Biofertilize	
	1. Free-living	<i>Azotobacter, Clostridium, Anabaena, Nostoc,</i>
	Symbiotic	<i>Rhizobium, Anabaena azollae</i>
	3. Associative Symbiotic	<i>Azospirillum</i>
B	P Solubilizing Biofertilizer	
	1. Bacteria	<i>Bacillus subtilis, Pseudomonas striata</i>
	2. Fungi	<i>Penicillium, Aspergillus.</i>
C	P Mobilizing Biofertilizers	
	1. Arbuscular Mycorrhiza	<i>Glomus, Scutellospora.</i>
	2. Ectomycorrhiza	<i>Amanita.</i>
D	Biofertilizer for Micro nutrients	
	1. Silicate and Zinc solubilizers	<i>Bacillus.</i>
E	Plant Growth Promoting Rhizobacteria	
	2. Pseudomonas	<i>Pseudomonas fluorescence</i>