



BioAll

Nutrient mobilizing liquid biofertilizer

BioAll has the unique ability to enrich the soil with Nitrogen, Phosphorous and Potash. It efficiently **fixes atmospheric nitrogen, solubilizes the insoluble and chemically fixed phosphates and has the ability to mobilize and solubilize soil potash and insoluble potash compounds** thus making all three of these essential nutrients available to the plant in a ready, available form.

It also enhances the availability of Mn, Mg, Fe, Mo, Bo, Zn and Cu among others in the soil. This is dependent on the nutrients being already present in the soil in a non-available form.

BioAll provides the major nutrients (NPK) to the soil which results in higher yields. **BioAll** produces certain growth promoting substances such as Thiamine, Indol and Acetic Acid which help impart resistance to the plant from plant pathogens such as Alternaria and Fusarium.

It produces organic acids like Citric, Tartaric, Malic which increase the availability of Phosphates in the rhizosphere.

It reduces the necessity for the application nitrogenous, phosphatic & potash fertilizers by up to 20%-25%.



BioMicro

Micronutrient mobilizing liquid biofertilizer

BioMicro, a biological mix, is capable of mobilizing Iron, Zinc and Sulphur and making them available to the plant.

This combination of selected and compatible bacteria acts to give essential micronutrients to the plant

Iron mobilizing bacteria efficiently make iron available to the plant. The metabolites excreted by microorganisms into the soil as strong chemical reagents and the activities of microbial enzymes are principal factors in this process.

The biochemical activity of microorganisms, depending on environmental conditions, results in mobilization or stabilization of iron in the soil.

The Sulphur Mobilizing bacteria - mobilize insoluble and chemically fixed sulphates and hence make them available to the plant

The Zinc mobilizing bacteria- plays an important role in increasing the availability of Zn in soil, thus enhancing Zn accumulation.

It fortifies the soil with bacterial metabolites .

BioMicro produces many organic acids like Ferric acid, Nicotinic acid, Tartaric acid, Mallic acid etc. resulting in an overall increase in the availability of important micronutrients in the rhizosphere.



Dosage:

For soil application: Apply 1 litre of **BioAll/BioMicro** with irrigation or mix with 1 ton of FYM per 1 hectare.

For seed treatment: 5ml to 7ml of **BioAll/BioMicro** per kg of seeds.

Seedling dipping: Mix 50-70ml of **BioAll/BioMicro** in 15 litres of water & dip the seedling for 5 minutes before transplanting.

Tree treatment: Dilute **BioAll/BioMicro** @ 200ml /acre.