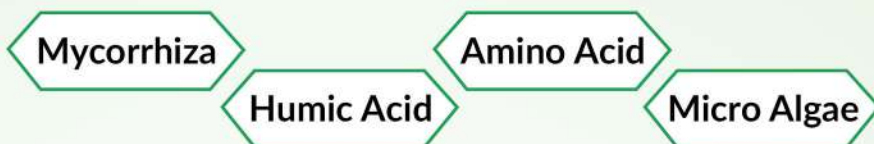




## Fertilizer

“किसानों का है संकल्प  
अमूल ही एकमात्र विकल्प”

Amul fertilizer is staple source of organic carbon



50 kg

1 kg

### Benefits Amul Gold : (Powder)

- Rich Source of Organic Carbon
- Fertilizer with essential nutrients rich in microbes and high in protein.
- Reduces Soil Salinity & helps balancing pH of soil.
- Weeds are destroyed due to aerobic and anaerobic processes.
- Maintains soil nutrients & helps in the development of plant fibrous roots.
- Works as soil conditioner in soil.
- Improves soil composition, air circulation, soil conservation and fertility.
- Increases the moisture holding capacity of the soil making the soil loose and fertile.
- Being chemical free, the farm produce yields more and sales as well as exports are boosted.

### Benefits of Amul Power Plus : (Granules)

- Ensures high yield & quality of farm produces.
- Require the less dosage.
- Improves availability of phosphorus to soil.
- Provides macro & micronutrients with the help of beneficial microbes.
- It is rich in organic carbon which improves soil fertility.
- Binds soil particles along with aggregate porosity.
- Reduces soil erosion through better binding of soil particles.
- It improves the water holding capacity of the soil & reduces irrigation requirement.
- Organic carbon & Organic Phosphate minerals improve the natural properties of soil, boosts the growth of soil microflora and early flowering stage.



50 kg

## Liquid Fermented Organic Manure:



1 Ltr.

It is an effective combination of biogas slurry from 40- $\mu$ m filter and rich in beneficial microorganisms.

### Benefits of Rich Plus

It is rich in organic carbon, humic acid and amino acids. Being a liquid form compound, it can be used in any stage of the crop.

- 100% of available form of organic carbon & humic acid.
- Increases the activity of microbes in soil.
- Rich source of all the nutrients needed for plants and crops.
- Being liquid form, it can be easily used by drip and spray method.
- The use of harmful chemical fertilizers can be reduced.
- Free from weeds and other harmful microorganisms as they are filtered.
- Being rich in organic carbon increases soil biomass can be used at any stage of crop.

### Dosage & Method Of Use:

- 2.0 lit/ acre by drip irrigation or sprinkler irrigation method.
- 5 ml/lit or by drenching.

### Benefits of Phospho Rich

Amul Phospho Rich is design under unique combination of organic carbon & Phosphate base fermented liquid organic manure. Being a liquid easily absorbed in soil & uptake by plants.

- It contains more than 15 %  $P_2O_5$  in bioavailable form.
- It helps to reduce the chemical phosphate base fertilizer.
- It is enriched with essential nutrients & macro nutrients.
- It gives good results in high density horticulture plantation.
- Being use of Phospho Rich provides more uniform and earlier crop maturity crop.
- It supports development throughout entire life cycle of crop.
- Phosphorus improves plant resilience against disease and helps strengthen the plant.
- Phosphorus promotes root development and early seedling growth.
- It is rich in nitrogen which is a component of vitamins, amino acids, and energy system within the plant, which forms proteins. Thus, Nitrogen is directly responsible for increasing protein content in plants.
- It also has potash content which ensures proper maturation in the plant by improving overall health, yield rate, improving the quality of crop and taste of food.

### Dosage & Method of Use:

- 1.0 lit/acre by drip irrigation or sprinkler method.
- 3 ml/liter or by drenching.

Liquid Fermented Organic Manure  
**PHOSPHO RICH**  
Enriched with essential nutrients



1 Ltr.

### Amul Agriculture Drone Service:

Amul launched a user-friendly application **Amul i Kisan**; farmers can easily book advanced drone spraying service to spray Amul Liquid fermented organic manure. Farmer can calculate required fertilizer dosage through **fertilizer calculator** and order Amul Organic Fertilizer for specific crop requirements. Explore our range of organic fertilizer and gain valuable insights from agriculture experts through **Agrichat**. Farmers testimonials who have experienced the remarkable benefits from our products are also placed in application. Download the **Amul i Kisan application** today and revolutionize your farming experience!

We have started Drone spraying service in operational areas



## Benefits of Liquid Biofertilizer

Soil is home to many types of microorganisms that are very beneficial to plants. Such bacteria process the free nitrogen in the air or convert the soluble phosphorus and potash in the soil into available forms.

Biofertilizer for each gram / ml. contains 5-10 crore living bacteria. If properly used reduces 25% of chemical fertilizer.



**Amul Rich Plus Azotobacter** – It has amazing ability to fix free nitrogen in the air. Azotobacter is one of the best options to use as a biofertilizer for environmentally friendly and sustainable crop production because of its ability to enhance plant health through nitrogen fixation, growth hormone production, nutrient uptake, plant disease management and better soil health recovery.



**Amul Rich Plus Azospirillum** – It can colonize plant roots and can fix atmospheric nitrogen, is a biofertilizer, it produces phytohormones, especially indole-3-acetic acid, and it is a plant biostimulator and aided the ability to withstand abiotic stress.



**Amul Rich Plus PSB** – Phosphate solubilizing microbes are a class of beneficial microorganisms, which can solubilize insoluble organic and inorganic phosphorus compounds, which are easily taken up by plants.



**Amul Rich Plus KMB** – There are many bacteria in the soil which convert the soluble potash in the soil into root available forms by forming various acids and polysaccharides. It is great alternative to expensive potash chemical fertilizers.



**Amul Rich Plus N.P. Consortium**- N.P. Liquid biofertilizer is a mixture of three types of locally efficient microorganisms namely nitrogen-fixing *Azotobacter*, *Azospirillum* and phosphatase *Bacillus* species. Biochemical processes naturally convert nitrogen and phosphorus into available forms.



**Amul Rich Plus PSB and KMB Consortium** – PSB and KMB are liquid biofertilizer which has total of two types of locally effective microorganisms have been synthesized. Biochemical processes naturally convert phosphate and potash into available forms.



**Amul Rich Plus N.P.K. Consortium** – N.P.K. Liquid biofertilizer is a mixture of five types of locally efficient microorganisms namely nitrogen-fixing *Azotobacter*, *Azospirillum* and three species of phosphate and potash-fixing *Bacillus*. Such efficient microbes work like factories in the soil and through biochemical processes naturally keep the nitrogen, phosphorus and potash cycles moving, keeping the soil alive and increasing fertility and crop production.



**Available in 500 ml pack size**

### Method of using liquid Bio fertilizer:

Liquid bio fertilizer can be used for seed spreading, furrow dressing, furrow application and drip method according to the crop sowing method. (About 1 litre/ha, early morning or late evening)

### Seed Treatment:

Before sowing 1 kg sow the seeds with 2-5 ml of organic fertilizer mixed with water and dry them in the shade.

### Furrow Application:

3-5 ml of organic fertilizer mixed with 1 litre of water and drenching in the root of the plant/in the furrow or else 1 litre of culture mixed with 50-60 kg of Amul fertilizer, before sowing or 10 ml of bio fertilizer mixed with 1 litre of water and drenching to the root zone of plant.

### Drip irrigation method:

Mix 1 litre organic fertilizer/ha. in water tank. (Do not mix with other fertilizers.)

### Seedling transplantation:

Mix 3-5 ml of organic fertilizer in 1 litre of clean water, soak the roots of plants for 15-20 minutes and plant immediately.

### Benefits of Amul RootEX.

The unique advanced technology, Amul RootEx is a granular bio-fertilizer that consists of Arbuscular mycorrhizal fungi species which are beneficial organisms work with the plant to expand the plant's root mass and absorption area.



5 kg

- It helps in balancing the nutrient supply and significantly reduces seedling mortality during transplantation and strengthens plant growth.
- It is also essential for establishing the ecological complexity between plants, microbes, and the rhizosphere.
- It Improves the nutrition uptake such as phosphate, nitrogen, potassium & micronutrients to the plant.
- It is associated with root zone which gives potential biocontrol mechanisms from biotic stress.
- Improves root growth and increase surface area of the plant root zone.
- It increases absorption of water from deeper layer of soil and make available to plant.
- Protect the plant from drought and salinity.
- It increases the efficiency of fertilizer.
- It creates protective layers of from pathogenic load.
- Its minimization of heavy metal toxicity of soil.

### Dosage & Method of Use:

- 4 kg per Acre by broadcast method.
- Apply Amul RootEX to the plant's root zone & make sure the product is well incorporated into the soil.

### Manufacture & Marketed by :

Kaira District Co-operative Milk Producers' Union Ltd., Amul Dairy Anand-388001, Gujarat, India.

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information