



Bio Fungbact Pvt. Ltd.

AN ISO 9001 : 2015 CERTIFIED COMPANY

**HEALTHY FIELDS
HIGHER YIELDS**





Bio Fungbact Pvt. Ltd.
AN ISO 9001 : 2015 CERTIFIED COMPANY

**A STEP TO LIVE LAND
WE ENRICH NATURALLY**

Message From Management

We are one of India's prominent and trusted manufacturer and exporters of organic agricultural inputs having catered to customers around the globe. Looking around our website, you'll see that our expertise covers many interesting products for related agricultural needs.

Research and development is our company's forte, and we build on that to create, develop and support a wide range of products. These extensive capabilities benefit our customers in numerous ways. We focus on our customers needs and strive to exceed their expectations. In an increasingly complex world, we take pride to connect with each and every member of the agricultural community and we recognize that the only lasting competitive advantage is higher and higher quality at an affordable cost. Therefore, we are continuously focusing on the details that make for better quality and for improved agricultural inputs. We as a company foresee the process of farming, free from harmful chemicals and pesticides

Fungbact[®] NTR Kit



**Rich Source Of
Beneficial Microbes With
Higher Cells count/ml. Along
With Advance
Processing Technology.**

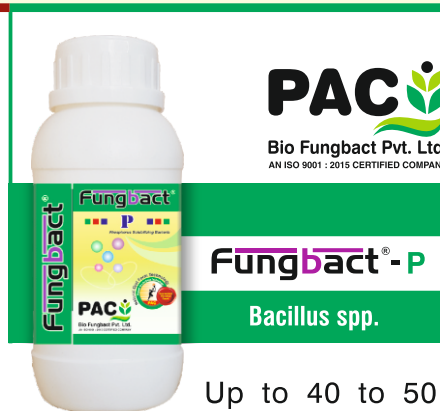
Nutrition is a primary necessity and important for all crops at different stages for growth, development and production. Plant takes these nutrients from various sources like air, water, soil and fertilizers. As far as nutrients available from chemical fertilizers are concerned, it is becoming costlier day by day and also damaging soil environment due to excessive use of it.

Beneficial micro organisms on the other hand is eco friendly, effective in providing for specific nutrient as well as cheap source, having ability to successfully utilize as a substitute or replacement of toxic chemical fertilizers.

By considering this scenario **PAC Bio Fungbact Pvt. Ltd.** has developed various beneficial biological inoculants to provide nutritional benefit to crops. Microbes available in Fungbact NTR Kit also help to increase fertilizer use efficiency of the soil



Near about 78% Nitrogen is present in the atmosphere. The microbes present in **Fungbact-N** fix this atmospheric Nitrogen in to the root zone of crop plants, these fixed Nitrogen is then utilized by crop plants as food. Due to this we can reduce the Nitrogenous fertilizer application. It improves efficiency of fertilizer and maximize yield.



Up to 40 to 50 percent of P2O5 (Phosphorus pentoxide) after separating from Phosphatic fertilizer, became unavailable due to formation of bond (salt) with cation like Ca, Mg, Fe etc. Microbes of **Fungbact-P** release various enzymes which breaks bond between cation and P2O5 and makes it free for consumption by plants. By this application cost of phosphatic fertilizer could be reduced and microbes also release previously depos P2O5.



Up to 40 to 50 percent of P2O5 (Phosphorus pentoxide) after separating from Phosphatic fertilizer, became unavailable due to formation of bond (salt) with cation like Ca, Mg, Fe etc. Microbes of **Fungbact-P** release various enzymes which breaks bond between cation and P2O5 and makes it free for consumption by plants. By this application cost of phosphatic fertilizer could be reduced and microbes also release previously depos P2O5.





It is a microbial soil In oculants for soil application which helps to mobilize the fixed zinc and makes if available to the plant. This also brings down the pH of the soil and helps in reclaiming alkaline soil.



Plenty of Potash is already available in soil from so many decades, and we are also adding it in the form of various fertilizers year after year. Potash is immobile so plant can not take full advantage of it. Microbes of **Fungbact-K** makes it moveable, so plant can take maximum Potash and we can reduce application doses of Potassium fertilizer.



Micro organism present in Fungbact-S after being activated and during multiplication produce organic acids that convert insoluble ferrous and sulphur in to soluble form. These acids balance soil pH and increase microbial activity, Which breakdown complex nutrients in to smaller available form, ultimately results in bumper crop yield.

Free

Fungbact® - VAM

**500 Gram
Fungbact VAM
with this Kit As per requirement**



It is a powder formulation of mycorrhizae preparation. It contains all the molecules necessary for development of microbes at Initial stage, It helps microbes of given kit to boost up their multiplication by reducing jet leg stress. Excreted due to placement in unexposed atmosphere. Mycorrhizal spores present in this preparation helps fast growth of roots.

When Fungbact VAM mixes with other microbes of kit immediately content of Fungbact VAM make coating on each and every microbes. This coating provides Initial food to microbes to speed up their multiplication. Once microbes multiply they perform there relevant function more efficiently.

Nutrition For All Crops

Dose:

1 Fungbact NTR Kit / Acre

Storage:

Store in a cool, dry place away from direct sunlight.

Formulation:

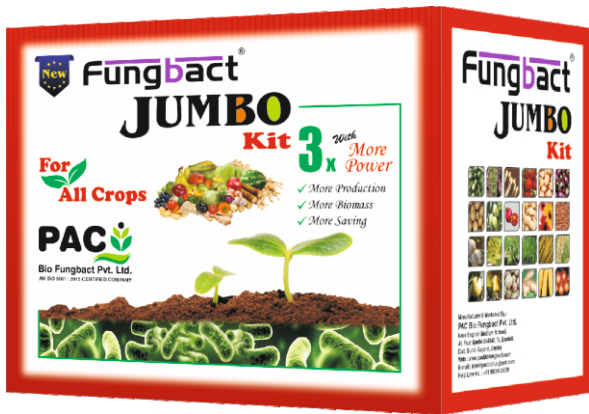
Liquid low dose technology



Fungbact®

JUMBO Kit

Rich Source Of
Beneficial Microbes With
Higher Cells count/ml. Along
With Advance
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Fungbact® - ZN

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Fungbact® - K

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Fungbact® - S

Micro organism present in Fungbact-S after being activated and during multiplication produce organic acids that convert insoluble ferrous and sulphur in to soluble form. These acids balance soil pH and increase microbial activity, Which breakdown complex nutrients in to smaller available form, ultimately results in bumper crop yield.

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**Nutrition
For All Crops**

Dose:

1 Fungbact JUMBO Kit / Acre

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Formulation:

Liquid low dose technology

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Fungbact®

SPEED COMPOST™

Fungbact Speed Compost

Fungbact Speed Compost is a combination of liquid biological compost accelerator bacteria. It is produced by specially developed advance Patented technology at PAC Bio Fungbact Pvt. Ltd advance production technology makes it unique product than others.

It contains high concentration of highly viable cells of bacteria, which is in dormant stage and proliferate quickly after being applied in to compost heap.

Material to be compost:

Any agricultural waste, agro Industries waste and by-products, animal waste and any material derived from biological form.

Why composting is needed?

Farmers are generally applying raw organic materials like FYM directly to the soil which is not a best way for effective recycling of nutrients, since it contains substance like cellulose, starch, lignin and wax etc. which are resistant to microbial degradation. The natural process always takes much time for producing quality compost. The decaying organic matter may also tie up the nutrients by immobilization process and make them unavailable for plant growth. So to take full advantage of FYM it should always be well compost

Method for Use:

Add 100 ml content of Fungbact Speed compost in 150 lit of water. Mix this material (for maximum advantage, we can add 500 ml Ecogent-DR). Add prepared mixture on heap of 10 to 12 ton material (By spraying layer by layer or by making hole and add it in to them etc.). Give water in and on heap to maintain moisture level up to 60 % during entire composting process. Rotate heap by manually or via machine three to four times during composting process. Compost will be ready within 40 to 45 days, if all condition sare met according to standard procedure required for composting.

Particle Size It is of practically useful that large surface area available for composting so to enhance composting process the bigger organic waste particle can be chopped into small pieces.

Aeration/Turning:

As microbes Involve in composting are aerobic, It is primary necessity that we have to supply fresh air in compost heap, Composting piles may be turned either manually or by mechanically with compost turner machine. Turning may be repeated 3-4 times during composting.

Moisture Requirement:

During break down process of higher molecules to smaller molecules by microbes required plenty of water so we have to continuously moisten the heap during entire composting process. Sprinkle water at 5 days Interval during early stage to ensure at least 60 % moisture level.

Temperature:

During entire composting process we have to check the temperature development inside the heap. Initially temperature rises speedily than it remain stable. At this stage we have to give moisture and turn the heap immediately after this temperature rises again. Once compost matures, temperature remains stable even by giving moisture and turning heap.

Maturity of compost:

Mature compost look dark brown in colour, there is no smell, no heat etc.

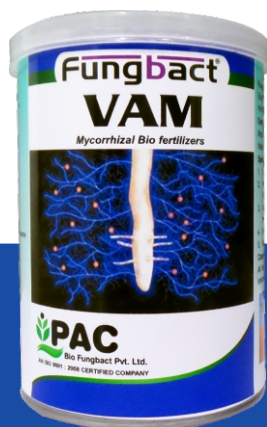
Dose

100 ml. / 1 ton

Packing

1 Litter





Fungbact® VAM Mycorrhizal Bio Fertilizer

Fungbact VAM

Fungbact VAM is a mycorrhizal bio-fertilizer preparation contains spores, fragments of mycorrhizal fungal filaments and infected roots bits. Fungbact VAM preparation is made on powder based carrier contains mainly endo and ecto mycorrhizal infective propagules.

Mode of Action:

Mycorrhizae are obligate and saprophytic in nature which are totally biotroph and hence, requires a living host for its survival. Endo and Ecto mycorrhizae on which Fungbact VAM is prepared contain Vesicular Arbuscular Mycorrhizae (VAM-fungi) and Ecto Mycorrhizae which are part of soil biota and present universally in the soil. The Fungbact VAM by associating symbiotically with root of the plants helps in the greater absorption of phosphorous, water and other important macro and essential micro elements and making them available to the plants in an easily usable organic form. Besides they are also reported to impart resistance to plants against drought and soil borne fungal pathogens and nematodes. Fungbact VAM (endo & ecto mycorrhizae) can be used in any crops like cereals, pulses, vegetables, Tuber, Fiber, Ornamental, oil seeds and fruit crops but it cannot be used in cruciferous plants.

Dose and Method of Application:

Soil Application:

01. Fungbact VAM in required quantities (100 gm /acre) has to be mixed with organic fertilizer/peat / moistened vermiculite / field or jungle soil (1000kgs) which are rich in organic matter. This blend is applied by a process of broadcasting as soil application during last ploughing followed by first irrigation.

02. Fungbact VAM can be use alone or mixed with powder or liquid Biofertilizer of different categories (N, P, K and S - fixers and Zn solubilizer) in 20 to 25 lit water. This prepared mixture again dilated in 200 lit water and apply through drip irrigation system.

Seed Treatment:

50 to 100 gm of Fungbact VAM is to be mixed with optimum water to make thick slurry. The Fungbact VAM slurry so prepared can be used for coating the seeds of an acre.

Green House Potted Plants:

Planting medium and potting medium can be mixed with VAM at desired proportion (i.e. 3-5 gms/10kgs of planting medium approximate) and used. Optimal watering is preferred to maintain the effectiveness of VAM.

Features:

- 01.** Helps to absorb and mobilize primarily phosphorous along with other important macro and micro elements and water.
- 02.** Compatible with other Biofertilizer and biopesticide of different categories.
- 03.** Gives protection to the plants from pathogenic fungi and nematodes causing damage to the roots
- 04.** Environment friendly and does not affect ecological balance.

Benefits

- 01.** Fungbact VAM makes the plant root system to get easily access to the usable form of nutrients.
- 02.** Fungbact VAM acts as accessories to the root hairs in the process of nutrient absorption and mobilization.
- 03.** Fungbact VAM facilitate nutrient translocation from the soil and root cortical parenchyma to xylem elements.
- 04.** Fungbact VAM also function as supplement to root hairs in water absorption, hence prevents reduction in relative water content of cells and thus helps plants to overcome drought.

Dose

100 Gram / Per Acre

Packing

100 Gram



Fungbact®

Ultra Green

Farmers have adopted the strategy of increasing crop yield by using large amount of chemical fertilizers and pesticide. At present, however, the negative effects of heavy application of chemical Input, in term of production, environment and quality deterioration are becoming apparent. Ultimate goal of sustainable agriculture is to develop farming system that are productive, profitable, and energy-conserving and should be environmentally-sound.

Studies in the past have revealed that an Important relationship between living leaves and luxuriant growth of vegetation. Various plants growth promoting microbes have found to help plant by proving them with most essential growth molecules during survival on leaves.

Combination of plant growth promoting microbes and certain physiological active substances increase effectiveness of microbes up to many folds. Looking this magical phenomenon PAC Bio Fungbact.Pvt. Ltd. has developed a unique product i.e. Ultra Green.

Ultra Green is simply a combination of various plant vitalizer microorganisms.

Benefits:

1. Makes plant leaf succulent and luxurious.
2. Trigger hormonal system in plant.
3. Induce internal resistance in plants.
4. Release of various enzymes to boost up cell elongation, tissue expansion and smoothness in fruit and leaf.
5. Increase overall growth of plant, which lead to increase a yield of crops.
6. Give strength to plant to fight against various foliar diseases.
7. Increase fruit weight and luster.



Mode of action:

After application by spray, microbes available from Ultra Green reach up to leaves of plant and survive on plant leaves by using various physiological active substances. During multiplication they release various growth promoting molecules. These molecules involve various enzymes and hormones. Continuous supply of this plant growth vitalizing molecules makes plant growth luxurious which ultimately results in good yield of crops.

Method of Use

1. 1L Ultra Green mix in to 150 to 200 L water.
2. Mix it well.
3. Now use this prepared mixture for spray in 1 acre.
4. For 1 pump we can take 80 to 100ml of Ultra green.

Note

Prepared mixture solution should be used at same time, it cannot be use after 24 hours.

Dose

Ultra Green: 500 ml. / Acre

Packing

Ultra Green: 500 ml. & 1 Ltr.





Fertipac[®]

Green All[™]

Fertipac Green All:

It is a liquid formulation which contains animal based protein synthesizer material, growth promoting substances, flowering inducing substances and cell elongating molecules like protein, enzymes etc.

It is produced by advance dual state fermentation and binding technology. It is prepared in such a way that it liberates all its productive molecules in readily available state, so plant growth boosts up quickly.

Benefits:

01. Stimulates over all plant growth.
02. Maintains quality of leaves.
03. Provides ready available sources for all metabolic activity of plants.
04. Gives strength to plant to fight against adverse environmental condition.
05. Increases hormonal activity in plants.
06. Boosts up flowering and reproductive efficiency of plant.
07. Stimulates cell elongation, cell division and cell growth.
08. Improves the fertility of reproductive organ when used at flowering stage.
09. Induces fruit setting and increase diameter, weight and size of fruit.
10. Increases plant resistant power toward disease and harsh condition. Prevent flower and fruit drop

Direction for Use:

Spray Application

Tank Mix:

Dilute 500 ml of Fungbact Green All in 200 to 400 litre of water, stir well to form uniform solution and spray thoroughly with a sprayer with in an acre. Effective coverage of whole plant will benefit more.

Pimp Mix:

Take 50 ml Green all in pump and add 14 to 15 litter water, stir well to form uniform spray solution. Effective coverage of whole plant will benefit more

Dose

Fertipac Green All: 1Ltr/Acre

Fertipac Green All: 30 to 40 MI / Per Pump

Packing

Fertipac Green All: 250 MI, 500 MI.

1 Ltr. & 5 Ltr.

Formulation :

Fertipac Green All: Liquid Form





Fertipac[®] *Ecogent*[™]

THE RHIZOSPHERE ACTIVATOR

What is Ecogent?

Ecogent is manufactured by using advance multi stage fermentation technology. Its unique formula combines specific growth promoting organic extract, proteins and protein hydrolyzates, amino acids with biologically active macro and micronutrient.

Why Ecogent?

Soil is to be considered as a backbone for any crop as it provides direct support to stand the crop as well as plant takes most of the food material from soil. Plant takes food via root from soil, it is a simple matter but scientifically it is a very complex thing. So many agencies like microbes, insects, chemical and non chemical factor play their role for running out these activities smoothly. All these activities are performed in rhizosphere of plant.

What is Rhizosphere?

Rhizosphere is a part of soil, surrounding to root zone area. There are numerous activities happening in soil rhizo here like food dissolving in soil solution and its absorption, nitrogen fixation, change in pH phosphorus solubilization, potash mobilization and development of beneficial as well as harmful microbial colony which directly or indirectly affect on plant root and ultimately on whole plant.

Benefits:

After application of Ecogent, It enters in soil rhizosphere and will do positive change in.....

Soil Physical Property:

1. Increases soil aggregation,
2. Increases soil aeration.
3. Increases soil water holding capacity.

Soil Chemical Property:

1. Refill soil solution with various macro as well as micronutrient.
2. Increases CEC (Cation Exchange Capacity) of soil rhizosphere

Soil Biological Property:

1. Increases number of beneficial microbes living in soil rhizosphere
2. Provide optimum condition for microbial colonization. (Healthy) and that is very much necessary for healthy plant growth,

Direction to Use:

Ecogent - Powder Formulation

Broadcasting: Broadcast it near plant stem at soil level. After applications, give irrigation, so Ecogent can reach up to soil rhizosphere.

With Compost: Ecogent can also be mixed with well decomposed FYM and apply to the soil.
With Chemical Fertilizer : At the time of fertilizer application, we can mix Ecogent with chemical fertilizer and apply to the soil.

Ecogent - Powder Formulation

Seed Treatment: 10 to 15 ml/acre

Seedling Root Dipping: Mix 500 ml in 50 lit of water/acre seedlings

Set Dipping: Mx 500 ml in 100-150 liter of water/acre

Orchard (Tree) application: 4-5 ml in 5 lit of water/Tree.

Drip application: 2.5 to 3 lit/acre

Drenching: Dilute 2.5 to 3 it in 200 to 400 lit of water/acre.

Dose:

Fertipac Ecogent-DR: 2 to 3 Ltr. / Acre

Fertipac Ecogent: 10 kg. /Acre

Packing:

Fertipac Ecogent-DR: 1, 5 & 20 Ltr.

Fertipac Ecogent: 5 Kg & 50 Kg.

Formulation:

Fertipac Ecogent-DR: Liquid Form

Fertipac Ecogent: Powder Form





Fertipac[®]

NECTAR[™]

Fertipac Nectar

Multimicronutrient Mixture Fertilizer

It is a liquid formulation which contains essential micronutrient in quantities that ensure balance nutrition for healthy growth and development of plant.

Micronutrients play many complex roles in plant nutrition, but most of them are used in the functioning of a number of enzyme systems.

Types of Nectar available:

Nectar-Spray :

Chealated Micronutrients Foliar grade

Nectar-Drip :

Chealated Micronutrients for drip Irrigation

Role of various Micronutrients in plant:

As per page no-13

Dose

Fertipac Nectar-Spray: 70 to 80 MI / Per Pump

Fertipac Nectar-Spray: 1 Ltr. / Acre

Fertipac Nectar-Drip: 2.5 Ltr. / Acre in Drip

Note

Micro nutrients grade may vary from country to country according to their regulations and requirement may vary from crop to crop as well as field to field as it depends on local climatic and soil condition.

Packing

Fertipac Nectar-Spray: 500 ml. 1 Ltr, 5 Ltr, & 20 Ltr.

Fertipac Nectar-Drip: 5 Ltr, & 20 Ltr.

Formulation :

Fertipac Nectar-Spray Liquid Chealated Form

Fertipac Nectar-Drip: Liquid Chealated Form

Fertipac[®]

VERDANT[™]

Multi Micronutrient Mixture Fertilizer



Fertipac Vardent:

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Micronutrients play many complex roles in plant nutrition, but most of them are used in the functioning of a number of enzyme systems.

Packing

Fertipac Verdant BM:

500 ml. 1 Ltr, 5 Ltr, & 20 Ltr.

Formulation :

Fertipac Verdant BM: Liquid Chealated

Dose

Fertipac Verdant BM: 70 to 80 MI / Per Pump

Fertipac Verdant BM: 2-3 Ltr. / Acre



Fertipac[®]



Miracle

Flowering & fruit setting
Protein Hydrolysate Based Material 20%

It is a liquid formulation which contains animal based protein material and flowering inducing substance. It's unique formula combines growth promoting protein hydrolysate material with synergetic effects to boost flowering and fruit setting along with fruit development and overall plant growth.

Direction of use:

1. Pump mix:

Add 30ml miracle in 15 lit pump, Shake it well and then effectively cover whole foliage by properly spraying.

2. Tank mix: Take 200 lit clean water and add 500ml miracle. This is sufficient for 1 acre foliar spray

Dose

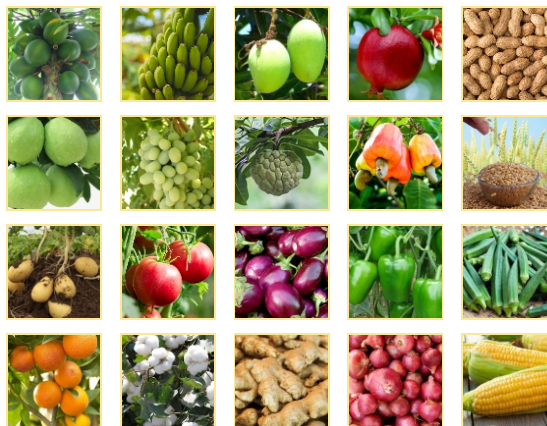
Fertipac Miracle: 500ml / acre, 30ml/ 15 lit pump

Packing

Fertipac Miracle: 50ml, 100ml, 250ml, 500ml, 1Liter

Formulation :

Liquid Form



Benefits:

1. Induce flowering & fruiting
2. Reduce flower & fruit drop
3. Improve fruit size, Quality & colour
4. Improve lateral branching & canopy
5. Improve plant abiotic stress tolerance
6. Increase hormonal activity in plants
7. Stimulates cell elongation, cell division & cell growth



Fertipac®

High Carb

Organic Carbon Enhancer
100% Natural Derived



Benefits:

1. Stimulate soil biological activity
2. Enhance soil quality and promote robust plant growth
3. It promotes better soil structure
4. It increase yeild of product
5. It increase soil microbes
6. Stimulates overall plant growth
7. Increase soil water holing capacity
8. Provide optimum condition for microbial colonization

It is 100% Natural derived product and rich source of organic carbon and protein. It provides the essential organic carbon to the soil along with other nutrient like Nitrogen, Phosphorus, and Potassium all in organic form. It helps to revive soil microbes boosting the fertility of the soil. It is a blend of cane molasses and animal origin protein hydrolysate.

Direction of use:

For drip fertigation: 1-2 lit / acre

For drenching: 1-2 lit / 200 lit water. It is sufficient for 1 acre

Dose

Fertipac High Carb: 1-2 lit / acre

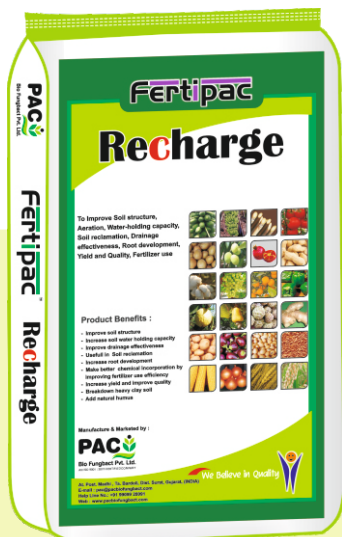
Packing

Fertipac High Carb: 1Liter

Formulation :

Liquid Form





Fertipac®

Recharge

Soil Conditioner

Material to be compost:

To Improve Soil structure, aeration, water holding capacity, soil reclamation, Drainage effectiveness, root development, yield and quality, fertilizer use efficiency.

Soil is a natural body consisting of layer that are primarily composed of minerals, mixed with at least some organic matter. On volume basis a good soil is one that is 45 % mineral (sand, silt and clay) 25 % water, 25 % air, and 5 % organic material, both live and dead.

The most influential factor in stabilizing soil fertility are the soil colloidal particles, clay and humus. Which behave as repositories of nutrient and moisture and act to buffer the variations of soil solution ion and moisture. The organic matter of the soil has a powerful effect on its development, fertility and available moisture.

Now days, soil become infertile due to damage of bridge between various property of soil i.e. physical, chemical and biological property. Injudicious use of toxic chemical fertilizer and addition of polluted material in fertile soil make it infertile. The only possible way to make soil fertile and productive is to again make harmony between all the three soil properties by addition of organic matter in combination with natural humus and soil conditioner elements. Looking at this scenario, PAC Bio Fungbact Pvt. Ltd. has developed a product with name of "Recharge" to improve soil condition and make it fertile again.

Recharge is a granular product which is added to soil to improve soil's physical, chemical and biological quality, especially its ability to provide nutritional need of a plant. Its main purpose is to improve soil structure, provide soil nutrients in readily available form, and improve cation exchange and also to increase water retention capacity of Soil.

Benefits:

1. Improves soil structure.
2. Increase soil water holding capacity.
3. Improves drainage effectiveness.
4. Useful in Soil reclamation.
5. Increase root development.
6. Makes better chemical Incorporation by improving fertilizer use efficiency
7. Increase yield and improve quality.
8. Breakdown heavy clay soil.
9. Add natural humus

Dose

Fertipac Recharge : 2 to 3 Bag/Acre

Packing

Fertipac Recharge : 25 Kg. Bag

Formulation :

Fertipac Recharge: granular and Powder Form



Fertipac[®] Emerald[™]

MICRONUTRIENT MIXTURE FERTILIZER



Emerald

Emerald is a powder based formulation which contains essential micronutrient in quantities that ensure balance nutrition for healthy growth and development of plant.

Micronutrients play many complex roles in plant nutrition, but most of them are used in the functioning of a number of enzyme systems.

Types of Emerald Available

Only Soil application Grade

Emerald-LD : For long duration crops.

Emerald-SD : For short duration crops

Role of various Micronutrients in Plant

Zinc (Zn):

01. Essential for the transformation of carbohydrates.
02. Regulates consumption of sugars.
03. Part of the enzyme systems which regulate plant growth.
04. Promotes seed development

Iron (Fe):

01. Essential for formation of chlorophyll.
02. Present in several important enzyme

Manganese (Mn):

01. Functions with enzyme systems involved in breakdown of carbohydrates, and nitrogen metabolism.
02. Activate various enzymes necessary in photosynthesis

Copper (Cu):

01. Important for reproductive growth.
02. Aids in root metabolism and helps in the utilization of proteins.
03. Important in photosynthesis, carbohydrate metabolism and also in photosynthesis.

Molybdenum (Mo):

01. Helps in the use of nitrogen
02. Present in various enzymes
03. Essential for nitrogen fixation and nitrogen assimilation.

Boron (B):

01. Helps in the use of nutrients and regulates other nutrients.
02. Aids production of sugar and carbohydrates.
03. Essential for seed and fruit development. Facilitate translocation of sugar in the plant
04. Important for synthesis of nucleic acid and plant hormones.
05. Essential for cell division and development.

Note:

Micro nutrients grade may vary from country to country according to their regulations and requirement may vary from crop to crop as well as field to field as it depends on local climatic and soil condition.

Dose

Fertipac Emerald: 10 to 15 Kg. / Acre

Packing

Fertipac Emerald: 10Kg

Formulation :

Fertipac Emerald: Powder Form



Fertipac®



PROM(phosphate rich organic manure) is a organic fertilizer that is the substitute of DAP,MAP and SSP fertilizer. PROM (Phosphate Rich Organic Manure) is an essential component of plant nutrition.Bio particles, rock phosphate, and organic debris are all found in Prom. This aids in the improvement of many soil factors such as physical and chemical architecture, resulting in an increase in the necessary nutrients for plant growth.

As the farmers are not familiar with PROM still using traditional fertilizers for their crop. the chemical fertilizer is very serious problem for all, these fertilizers harm the soil as well as the environment, livestock, humans etc. Excessive use of chemical and fertilizers such as Single Super Phosphate (SSP), Diammonium Phosphate (DAP), Monoammonium Phosphate (MAP) etc, The plant can use only 30% of the amount of these fertilizers and the remaining amount of these fertilizers accumulative in the soil and sustainably increase the pH. It is the serious concern for the agriculture.

BENEFITS OF PROM (PHOSPHATE RICH ORGANIC MANURE)

- 1 It is a Slow Release fertilizer.
- 2.We found High yield and quality production By using PROM fertilizer .
- 3.It Supplies all nutrients to the plant.
- 4.It is Improves soil physical properties like soil structure and porosity. It is Increases availability of nutrients in soil and plant.
- 5.CO₂ is released during decomposition and helps to reduce alkalinity of soil.
- 6.It Binds soil particles into aggregate porosity.
- 7.Increases infiltration and water holding capacity in the soil. Reduces soil erosion through better soil structure.
- 8.Acts as buffering agents which helps to reduce damage from excessive acid, alkalinity of soil.
- 9.Helps to mitigate climate change. Improves soil health and fertility.
- 10.Used in formation of amino acids, proteins and oils.
- 11.Stimulates activity of micro-organisms that makes plant food elements in the soil readily available for crops.

Dose
2-5 Bags / Acre

Packing
50 Kg Bag.

Formulation :
Granule Form.



TatvaTM

Plus

With **Bio Power** City Compost

What is Tatva Plus?

Tatva Plus is a decompose material prepared from selective agricultural raw material by advance decompost technology and then enriched with beneficial microbes, humic acid as well as seaweed extract substances.

Benefits of using Tatva Plus:

1. Improves soil's physical condition by making it more porous as well as increase its softness.
2. Improve soil's water holding capacity.
3. As it is enriched with beneficial microbes it directly affects on plant growth by Increasing beneficial soil blo-mass.
4. Due to enriched with humic acid and sea extract it again rises microbial activity in the benefits of crops.
5. Tatva Plus helps to reduce salt formation in soil so balance soil pH level.
6. Tatva Plus enriched with Azotobactor as well as Phosphorus solubilizing microbes are useful to provide both primary nutrient to crop.
7. Helps plant to develop feeder root.
8. Over all improves soil's physical, chemical as well as biological property.
9. Add humus material in soil.
10. Increases soil fertility as well as productivity.
11. Reduces soil erosion.
12. Reduces water litching.
13. As Tatva-Bio-Power is free of any weed seed, it reduce chances of weed plant establishment in field which is very much common during the use of ordinary encompass FYM (dung).



Analysis report of Tatva-Bio-Power in government approved lab

Moisture % by weight	:	22.49
Colour	:	Black
Order	:	Absent
Total Organic Carbon	:	35.5%
Total Nitrogen	:	1.2%
Total Phosphorus	:	1.5%
Total Potash	:	1.2%
C:N Ratio	:	13.75
pH	:	6.8

Direction for use:

Broadcasting:

Take material from Tatva bag and broad cast it near plant stem at soil level. After application, Irrigate with water so that Microbes as well as humic and seaweed substances can reach up to soil rhizosphere.

Dose

Tatva Plus : 5 to 10 bag/Acre

Packing

Tatva Plus 50 kg.Bag

Formulation :

Tatva Plus: Powder Form

1,11,000 Sq.Ft. State of the Art Bio Control Unit

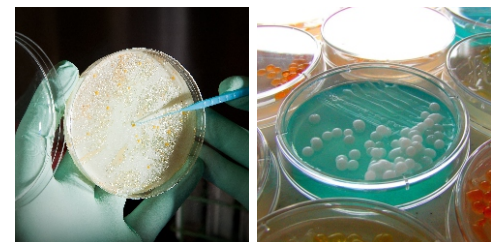


- Project includes production of various Bio-Products like Bio Fertilizer & Bio Fungicide under Bio-Control laboratory roof, as well as provide farmer a facility to test their soil, Leaf/Tissue under Leaf / Tissue analysis lab to find out present nutritional status as well as guide them on the basis of results. Project also include plant health clinic for diagnosis of disease and pest present in and on various plants.



- Total premises under the projects spread out more than 1,11,000 sq. ft area which include 63,000 sq.ft for lab premises, 19000 sq. ft for ware house and rest for gardens, road and fencing.

- Annual Production capacity of Bio Products is 78 lac lit per year.



Fermentation Room



Plant Health Clinic



Leaf/Tissue Analysis Lab

Our Specialities :

- I.S.O 9001: 2008 Certified Company
- Organically Approved by IMO Control.
- Expert & Experience Agricultural Staff.
- Continued R & D to improve agri production.
- State of art Infrastructure.
- Filed Patent Low-dose Technology in 137 Countries.



Plant Health Clinic & Leaf / Tissue Analysis Lab

PAC Bio Fungbact Pvt. Ltd has its own high-tech lab facility for quality test of various products which is produced by company as well as material provided by various sources.

We have two quality control laboratories:

1. Plant Health Clinic

Plant health clinic generally deals with biological testing and leaf tissue lab deals with chemical testing.

Plant Health Clinic

Microbial diagnosis

- C.F.U. counting from products
- Bio mass detection from soil

Pathological diagnosis

- Disease confirmation
- In vitro antagonistic studies

Entomological diagnosis

- Post confirmation
- In vitro bioassay studies

Leaf tissue analysis lab mainly involved in chemical analysis of various products, lab having very high tech and latest instruments of its kind to meet quality standard setup by organization.

2. Leaf/Tissue Analysis Lab

Leaf/Tissue Analysis Lab:

Microbial diagnosis

General diagnosis for soil, water and fertilizer.

Pathological diagnosis

Analysis for soil and fertilizer

Pathological diagnosis

(pH, EC, OC, Bulk Density, primary, secondary and trace elements)

Analysis for water

(PH, EC, TDS in ppm)

Industrial diagnosis

- C.O.D. Analysis
- B.O.D. Analysis





Bio Fungbact Pvt. Ltd.
AN ISO 9001 : 2015 CERTIFIED COMPANY

**State of the Art Infrastructure
with High Tech R&D Center**



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