



Fungbact[®]

NTR Kit

3x *With More Power*

- ✓ More Production
- ✓ More Biomass
- ✓ More Saving

For  **All Crops**



Mfg. & Marketed By :

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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 utilise 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 helps to increase fertilizer use efficiency of the soil.

BENEFICIAL MICROBES AVAILABLE IN FUNGBACT NTR KIT

(1) FUNGBACT - N: (*Azotobacter Sp.*)

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.



(2) FUNGBACT - P: (*Bacillus megaterium*)

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Up to 40 to 50 percent of P_2O_5 (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 P_2O_5 and makes it free for consumption by plants. By this application cost of phosphatic fertilizer could be reduced and microbes also release previously deposited P_2O_5 .



(3) FUNGBACT - K: (*Frateuria aurentia*)

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.



(4) FUNGBACT - ZN: (*Pseudomonas spp.*)

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



(5) FUNGBACT - MICRO FOOD :

It is a powder formulation prepared by advance technology. It contains all the molecules necessary for development of microbes at initial stage. It help microbes of given kit to boost up their multiplication by reducing jet leg stress, excreted due to placement in unexposed atmosphere.

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

Free



**500 Gram
Micro Food with this Kit**

Added Advantage of New FUNGBACT NTR KIT

New Fungbact NTR kit is developed by giving special emphasis to efficient strain of bacteria belong to genus *Pseudomonas* and *Bacillus*.

Pac Bio Fungbact Pvt. Ltd. has selected best strain of *Pseudomonas* and *Bacillus* that are able to solubilize high quantity of phosphorus and zinc. In addition to these both bacteria are also able to solubilize calcium, silicon and various micro nutrient that are very much use full to various plants.

Microbes available from Fungbact NTR Kit also release various hormone like Gibbrelic acid (GA) and Indole Acetic Acid (IAA) which are added in soil and provide benefit to plant.

: Method of Use :

: Method of Preparing Mixture :



Dissolve Micro Food 1 & 2 in 10 to 15 Liter of Water and Mix it properly



Shake Well All Bottle of kit before open it.



Add contents of each bottle in to bucket having mixture of Micro Food 1 & 2



Properly mix the solution by sufficient agitation

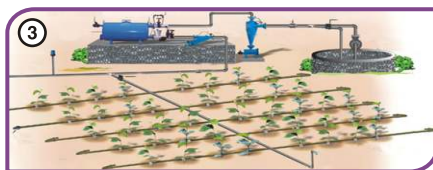
Apply in to the soil by any of four methods indicated below :



Dranching near rootzone via nepshake pump by removing nozel



Mix with organic fertilizer and broadcast in field



By Drip irrigation



Apply in fluid irrigation via drop by drop from tank (drum)

Care should be taken while using Fungbact NTR Kit

- (1) All the microbes available in NTR Kit are in dormant form, so use it after ensuring sufficient moisture available in field to facilitate early multiplication
- (2) It is not recommended to use along with any fungicides and bactericide, so please keep at least 10 to 15 day gap before and after application.
- (3) Sometimes by direct contact with chemical fertilizer reduced count of microbes, so keep at least 3 to 4 days gap between application.
- (4) If Fungbact NTR Kit is to be apply by Drip then it is suggested that do not apply Kit at the time of starting of Drip. But it is recommended that first run Drip (Simple Water) at least for 10 to 15 min. Then apply the Kit by venture pump of by tank and after application again run Drip (Simple Water) for next 10 to 15 min.

Note : Scientist community has reported that so many microbes from different genus and species living with each other before life started on earth. Soil is a huge media for living and multiplication of thousand of microbial species which includes microbes available in Fungbact NTR Kit Therefore microbes available from Kit provide benefits to crops without harming each other.