



May be used in organic crop production in accordance to the NPOP



multiplex®



DURGA®

Phosphate Solubilising Bacteria

BIO-FERTILIZER



Available in Packing

Liquid: 100 ml, 250 ml, 500 ml, 1 Ltr

Powder: 1 Kg

Granular: 4 kg

Farmers' first choice since 1974



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Phosphorus is the second most important major nutrient required by the plants, next to nitrogen. Phosphorus in plants is essential for physiological and biochemical activities including photosynthesis, development of roots, formation of flowers, seeds, and energy production. However, phosphorus availability is limited due to soil's pH level. If soils are too acidic, phosphorus reacts with iron and aluminum, and becomes unavailable to plants. But if soils are too alkaline, phosphorus reacts with calcium and becomes inaccessible to plants. Multiplex Durga (*B. megaterium*) contains highly potent Bacterial strains that helps to solubilize the complex form of unused inorganic phosphates present in the soil by the synthesis of several organic acids like citric acid, succinic acid, lactic acid, gluconic acid etc., and makes it available to the plants in a very simpler and absorbable form.

ACTIVE INGREDIENT: Bacillus megaterium (Min. 1×10^8 CFU/ml for Liquid Based & min. 5×10^7 CFU /gm for Carrier Based)

TARGET CROPS: All crops

DIRECTION FOR USE

DOSAGE: Liquid based - 1 to 2 litres/ acre Carrier based (Granular - Powder) - 4 to 5 kg / acre

SEEDS TREATMENT: Mix 500 gm of Multiplex Durga in 500 ml of rice starch (ganji)/500 ml of jaggery syrup and coat the seeds required for one acre. Keep the treated seeds for shade drying for an hour before sowing.

SEEDLING ROOT DIP: Mix 250 ml of Multiplex Durga in 50-liter of water and dip the roots of seedlings for 10 to 20 min. before sowing.

NURSERY: Mix 1 kg or 200 ml Durga with 10 kg dried farmyard manure/ Multiplex Annapurna and apply for nursery which has seedlings for one acre.

MAIN FIELD/ SOIL APPLICATION: Mix 4 to 5 kg/ 2 liters of Multiplex Durga in 100 kg dried farmyard manure/Multiplex Annapurna and broadcast to 1 acre of land.

DRIP IRRIGATION: Mix 2 litres of Multiplex Durga in 200-liters of water and irrigate through drip for one acre.

BENEFITS OF MULTIPLEX DURGA

- ◆ Releases fixed phosphorus from the soil
- ◆ Reduces quantity on Inorganic phosphate fertilizers that is required.
- ◆ Promote plant growth through the synthesis of generating phytohormones such as auxins, gibberellins, cytokinin's, or polyamides
- ◆ Phosphorus usage in agricultural lands can be improved and it is eco-friendly
- ◆ Enhances the yield of Oats, Mustard, Maize, Rice, Sorghum, Barely, Chickpea, Soybeans, Groundnut, Sugar beet, Cabbage & Tomato to the extent of 10 to 20%.

PRECAUTIONS: Multiplex Durga should not be mixed with insecticide, fungicide, or weedicide.



Manufactured by

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