

Please refer leaflet before use

Dr. Bacto's

5G PSB Biocapsules

Phosphate Solubilizing Bacteria

(CFU Minimum - 5×10^7 cells per gram)

Product Composition:

This product contains phosphate solubilizing bacteria enclosed in biodegradable capsules which having ability to solubilize phosphate.

Total Viable Count - Minimum 5×10^7 CFU per gram of capsule content.

Content: This packet contains two strips (each containing 5 capsules). One is having given biofertilizer bacteria and other is food kit (rich in nitrogen, carbon, vitamins, pH reducer, spreader, etc.) required for better growth of these bacteria.

Product Description:

Dr. Bacto's 5G PSB capsules are the ecofriendly biocapsules containing phosphate solubilizing bacteria that solubilize insoluble phosphate present in the soil and makes it available to the plants/crops. This product is developed by using latest dextrose-based technology which produces water soluble agri-probiotic formulations enclosed in biodegradable gelatin capsules. Dr. Bacto's 5G PSB biocapsules has features like good stability, good solubility, and good to carry and storage.

(After activation in warm water (not exceeding 45-50°C) each biocapsule gives 10^{10} to 10^{11} CFU per gram of organisms.)

Recommended Crops:	
Crops:	Wheat, Oat, Barley, Rice, Sorghum, Maize, Pearl millets, Cotton etc.
Legumes and pulses:	Black gram, Green gram, Chikpea, Cowpea, Soybean etc.
Vegetables:	Lettuce, Cabbage, Cauliflower, Brinjal, Capsicum, Gourds, Cucurbits, Tomato, Okra, Chili, Coriander etc.
Cuttings and Rhizomes:	Turmeric, Ginger, Sweet flag, Black pepper, Vanilla, Potatoes, Carrot etc.
Trees:	Clove, Nutmeg, Cinnamon, Mango, Apple etc.
Beverages:	Tea, Coffee, Cocoa etc.
Fruit and Orchards:	Grapes, Pineapple, Banana, Strawberry, Papaya, Pomegranate, Chikoo, Sugarcane, Watermelon, Muskmelon, Citrous fruits etc.
Beside these it can be applied for all type of ornamentals.	

Mode and Method of application:

Mode of Application	Method of Application
Seed Treatment	Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit in 15 liters of water for 1 hour until it gets dissolved completely; mix 500 ml of this solution with every 10-15 kg of seeds; shade in dry place for 30 minutes and then sow immediately. After seed treatment remaining solution can be used for drenching the field or can be mixed with 100 kg of sand/FYM for application in main field.
Soil Treatment	Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit in 15 liters of water for 1 hour until it gets dissolved completely. After this make up the volume up to 200 liter of water and then apply through drip or drenching. OR Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit in 15 liters of water for 1 hour until it gets dissolved completely and then mixed with 40-50kg of FYM. Then it is broadcasted into the soil at the time of sowing or at the time of irrigation in standing crop.
Treatment Before Transplanting	Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit capsules in 40 liters of water; immerse the seedlings in this suspension for about 30-45 minutes then transplant the seedlings to the main field. Rest of the solution can be mixed with the required quantity of FYM or diluted with water and then applied to the main field.
Drip Irrigation	Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit in 15 liters of water for 1 hour until it gets dissolved completely. After this make up the volume up to 200 liter of water and then apply through drip per acre.
Tree Treatment	Dissolve 5 Capsules of bio fertilizer and 5 capsules of food kit in 15 liters of water for 1 hour until it gets dissolved completely. After this make up the volume up to 200 liter of water apply near the prominent root zone nearest to trunk. This treatment can be done 2 or 3 times a year. This dosage varies according to varieties, age and size of tree and its canopy.

Note: For better result and efficiency we recommend to dissolve these capsules in required quantity of warm water and allow it to incubate for 24 hrs. After this treatment apply to the field to get better crop yield.