

Phosphate Solubilizing Biofertilizer

Active Ingredient	: <i>Bacillus megaterium</i> , <i>Bacillus polymyxa</i>
Formulation Type	: Wettable Powder (WP)
Minimum Viable Count	: 1×10^9 CFU per gram
Mode of Use	: Seed Treatment / Soil Application/Drip Irrigation

PRODUCT DESCRIPTION

iGreen P is a microbial biofertilizer containing selected strains of *Bacillus megaterium* and *Bacillus polymyxa*, known for their ability to solubilize insoluble soil phosphorus. The bacteria release organic acids and phosphatase enzymes that convert unavailable phosphate compounds into plant-available forms. This process improves phosphorus availability, enhances root growth, and promotes efficient nutrient uptake.



MECHANISM OF ACTION



APPLICATION & DOSAGE

Seed Treatment	5 g per kg seed
Soil Application	0.5 - 1 kg per acre
Application Mode	Drip Irrigation / Drench
Best Application Stage	At sowing or early vegetative stage

TARGET CROPS: cereals, pulses, oilseeds, vegetables, fruit crops, plantation crops, spices, medicinal plants, and horticultural crops including rice, wheat, maize, cotton, sugarcane, tomato, chilli, banana, grapes, and citrus.

KEY BENEFITS



TECHNICAL SPECIFICATIONS

Parameter	Specification
Active Microorganism	<i>Bacillus megaterium</i> , <i>Bacillus polymyxa</i>
Minimum CFU	$\geq 1 \times 10^9$ CFU/g
Moisture Content	$\leq 8\%$
Contamination	Absent
pH (1% Suspension)	5.5 - 7.5
Shelf Life	12 Months

STORAGE & HANDLING

	Store in a cool, dry place
	Keep container sealed after use
	Protect from direct Sunlight and Moisture
	Avoid contact with Chemicals

SAFETY INFORMATION

	Wear gloves and mask during application		Wash hands after use		Avoid inhaling dust during handling		Keep out of reach of children
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