

Biofertilizer / Sulphur Solubilizing Bacteria

Active Ingredient	: <i>Acidithiobacillus ferrooxidans</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™ S is a microbial sulphur-solubilizing biofertilizer containing beneficial strains of *Acidithiobacillus ferrooxidans*. The microorganism oxidizes elemental sulphur and converts it into plant-available sulphate forms within the rhizosphere. This process improves sulphur availability, enhances nutrient uptake efficiency, supports root development, and contributes to improved crop productivity while maintaining soil biological balance.



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: Rice, wheat, maize, sugarcane, banana, cotton, millets, vegetables, oilseeds, pulses, tea, coffee, grapes, citrus, and other horticultural and plantation crops

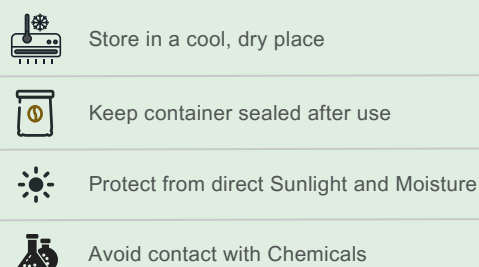
KEY BENEFITS



TECHNICAL SPECIFICATIONS

Parameter	Specification
Active Microorganism	<i>Acidithiobacillus ferrooxidans</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



SAFETY INFORMATION

