

# iGreen<sup>TM</sup> SOIL<sup>+</sup>

Plant Growth Promoter



iGreen SOIL<sup>+</sup> is a microbial soil amendment formulated with *Paenibacillus chibensis*, *Bacillus subtilis*, and *Bacillus pumilus*. It enhances soil fertility and plant growth through biological nitrogen fixation, phosphate solubilization, potassium mobilization, and production of phytohormones. The formulation also serves as a biocontrol agent by suppressing soil-borne pathogens and stimulating induced systemic resistance (ISR) in plants, promoting healthy root development and resilience under stress conditions.

## Product Overview

### Active Ingredients

*Paenibacillus chibensis*  
*Bacillus subtilis*  
*Bacillus pumilus*

### Formulation Type

Wettable Powder (WP) / Soluble Liquid (SL)

## Application Guidelines

Dosage (per acre)	Dilution
1 - 2 Litres	5 - 10 ml/L
0.5 g - 1.5 Kg	2 - 4 g/L

## Pests / Diseases Controlled

- Suppresses soil-borne fungal pathogens such as Fusarium, Rhizoctonia, and Pythium.
- Controls bacterial diseases affecting roots and stems.
- Reduces nematode infestation and damage by antagonistic activity.
- Enhances overall plant defense mechanisms to reduce damage from diseases.

## Key Benefits

- Fixes atmospheric nitrogen, making it available to plants.
- Solubilizes phosphates and mobilizes potassium for improved nutrient uptake.
- Produces plant growth hormones that stimulate root and shoot development.
- Promotes roots elongation & biomass.
- Enhances soil microbial diversity and improves soil structure.
- Increases plant resistance to abiotic stresses such as drought and salinity.

## Use Sites



Nurseries



Gardening



Greenhouse



Turf



Agriculture



Horticulture



Forestry



Hydroponics



Chemigation



Soil Drench

## Shelf Life & Storage

24 months from manufacturing date. Store in a cool, dry, well-ventilated.

## Ideal Spray Interval

10 to 15 Days during growing season.

## Re-Entry & Pre-Harvest Intervals

REI: 4 Hours | PHI: 0 days No restrictions; safe for application up to harvest, suitable for organic farming.

## Safety & Handling



Safe for humans, & beneficial organisms.



Wear protective gloves & mask.



Avoid contact with eyes & skin.



Wash equipment & hands after use.