



iGreen™ SOIL+

Plant Growth Promoter

iGreen SOIL+ 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 - 1×10^{10} CFU/ml
Bacillus subtilis - 1×10^{10} CFU/ml
Bacillus pumilus - 1×10^{10} CFU/ml

Formulation Type

Wettable Powder (WP) / Soluble Liquid (SL)

Application Guidelines

Dosage (per acre)	Dilution
1 Litres	4 mL/L
1 Kg	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.