



iGreen™ NPK

Plant Growth Promoter

iGreen NPK is a biofertilizer blend formulated with *Paenibacillus elgii*, *Bacillus mucilaginosus*, and *Bacillus megaterium*, designed to enhance soil fertility and plant growth through nitrogen fixation, phosphorus solubilization, potassium mobilization, and biological disease control. These bacteria improve nutrient availability and uptake, supporting healthier, more resilient crops.



Product Overview

Active Ingredients

Paenibacillus elgii - 1×10^{10} CFU/ml
Bacillus mucilaginosus - 1×10^{10} CFU/ml
Bacillus megaterium - 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 and bacterial diseases via bacteriocin production and rhizosphere competition.
- Controls nematodes indirectly by promoting healthy root growth and antagonizing pathogens.
- Enhances plant resistance to common soil and root diseases, thereby reducing yield losses.

Key Benefits

- Fixes atmospheric nitrogen to supply plants with essential nutrient.
- Solubilizes phosphate to make it available for plant uptake.
- Mobilizes potassium for better plant nutrition.
- Supports strong root growth and development.
- Improves soil health and fertility.

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.