



## iGreen™ TRES

Plant Growth Promoter

iGreen TRES is a multi-strain biological product formulated for integrated crop management, containing *Paenibacillus chibensis*, *Bacillus mycoides*, and *Bacillus endophyticus*, species known for their rhizosphere colonization, nutrient mobilization (nitrogen fixation, phosphate solubilization), and biocontrol of soil-borne pathogens. The product acts both as a biofertilizer and a biopesticide, promoting plant vigor and resilience against diseases.

### Product Overview

#### Active Ingredients

*Paenibacillus chibensis* -  $1 \times 10^{10}$  CFU/ml  
*Bacillus mycoides* -  $1 \times 10^{10}$  CFU/ml  
*Bacillus endophyticus* -  $1 \times 10^{10}$  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 bacterial wilt and other bacterial pathogens affecting roots and stems.
- Reduces damage from nematodes through antagonistic activity and induced resistance.
- Overall, it provides broad-spectrum protection against root and soil-borne pathogens, improving plant health and reducing incidence of yield loss caused by these pests and diseases.

## Key Benefits

- Enhances root and shoot growth via nitrogen fixation and phosphate solubilization.
- Protects plants against multiple pathogens through production of antimicrobial compounds.
- Improves nutrient uptake, soil health, and plant resilience under biotic/abiotic stress.
- Eco-friendly with no harmful residues.
- Promotes beneficial rhizosphere microbial populations.

## 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.