

## Biofertilizer/Silicon Solubilizing Bacteria

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Active Ingredient    | : <i>Bacillus mycoides</i>                        |
| Formulation Type     | : Wettable Powder (WP)                            |
| Minimum Viable Count | : $1 \times 10^9$ CFU per gram                    |
| Mode of Use          | : Seed Treatment/Soil Application/Drip irrigation |

## PRODUCT DESCRIPTION

iGreen™ Si is a microbial silicon-solubilizing biofertilizer containing beneficial strains of *Bacillus mycoides*. The microorganism mobilizes insoluble silicon compounds in the soil, making them available to plants. This enhances plant structural strength, stress tolerance, root development, and overall crop productivity.



## MECHANISM OF ACTION



## APPLICATION &amp; 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, sorghum, millet, soybean, groundnut, sunflower, cotton, sugarcane, potato, onion, garlic, tomato, chilli, cabbage, cauliflower, banana, citrus, and other horticultural crops

## TECHNICAL SPECIFICATIONS

| Parameter            | Specification              |
|----------------------|----------------------------|
| Active Microorganism | <i>Bacillus mycoides</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                  |

## KEY BENEFITS



## STORAGE &amp; HANDLING

|  |                                           |
|--|-------------------------------------------|
|  | Store in a cool, dry place                |
|  | Keep container sealed after use           |
|  | Protect from direct Sunlight and Moisture |
|  | Avoid contact with Chemicals              |

## SAFETY INFORMATION

|  |                                         |  |                      |  |                                     |  |                               |
|--|-----------------------------------------|--|----------------------|--|-------------------------------------|--|-------------------------------|
|  | Wear gloves and mask during application |  | Wash hands after use |  | Avoid inhaling dust during handling |  | Keep out of reach of children |
|--|-----------------------------------------|--|----------------------|--|-------------------------------------|--|-------------------------------|