



IRA Biotech

I-POTASH

Potash Mobilizing Bacteria

IRA POTASH is a powerful potassium mobilizing bio-formulation enriched with beneficial microbes that unlock soil-bound potassium. It enhances nutrient availability and supports efficient uptake, promoting stronger plant growth and development. By improving microbial activity in the rhizosphere, it boosts plant vigor and overall crop performance. The result is healthier crops with improved yield and quality.

Microorganisms are present in lyophilised (freeze-dried) dormant form, ensuring stability during storage. They become active upon exposure to moisture and favourable soil conditions. Stable across a broad range of conditions (pH-1.5-10 and temperatures up to 45°C), enabling performance in diverse environments.



Product Features

Mode of Action

- ❖ Colonizes the root zone and enhances beneficial microbial activity in the rhizosphere.
- ❖ Mobilizes fixed potassium in the soil, converting it into plant-available forms.
- ❖ Releases organic compounds that help in the efficient uptake of potassium by plants.
- ❖ Improves nutrient absorption and supports balanced plant nutrition.
- ❖ Promotes stronger root development and overall plant growth.

Expected Results

- ❖ Increased availability and uptake of potassium for crops.
- ❖ Stronger root systems and improved plant establishment.
- ❖ Enhanced plant vigor, growth, and stress tolerance.
- ❖ Better flowering, fruiting, and crop quality.
- ❖ Higher yields with improved overall crop performance.

Safety Directions

- ❖ Avoid inhalation of dust or spray mist
- ❖ Wash hands after use
- ❖ Use in well-ventilated areas

Environmental Protection

- ❖ Contains naturally occurring microorganisms
- ❖ Do not contaminate waterways with product or container

Product Analysis:

Bacillus Subtilis..... 3%
Dextrose..... 97%

Physical Characteristics:

White Powder, Water Soluble, pH: 5.5-8.5

Application:

Application Rate:

- ❖ 100 grams per hectare

Application Method:

- ❖ Soil application or via drip irrigation (fertigation)
- ❖ Dissolve 100 g in 700-1000 litres of water per hectare
- ❖ Apply uniformly to the root zone
- ❖ Foliar Spray 100g in 500 litres of water and spray for 1 hectare

Compatibility:

Compatible with most organic inputs. Avoid mixing with chemical fungicides, bactericides, or disinfectants.

Storage

- ❖ Store below 30°C in a cool, dry place
- ❖ Keep container tightly closed
- ❖ Protect from direct sunlight

