



# IRA Biotech

# TRICHO-H

## *Trichoderma harzianum* For Higher Yields

IRA MONAS is an advanced bio-formulation enriched with *Trichoderma harzianum*, designed to enhance root health and soil vitality. It actively colonizes the root zone, improving nutrient availability and supporting balanced soil microflora. By promoting strong root development and natural plant defenses, it ensures vigorous and uniform crop growth. The result is healthier plants, improved soil structure, and consistent crop performance.

### Product Features

#### **Mode of Action**

- ❖ Establishes and colonizes the root zone, forming a beneficial microbial association with plants.
- ❖ Produces enzymes that help in the natural breakdown of organic matter, improving nutrient availability in the soil.
- ❖ Competes with other soil microorganisms for space and nutrients, supporting a balanced soil microbiome.
- ❖ Enhances root development by stimulating root branching and growth.
- ❖ Supports plant resilience by activating natural plant defense responses.
- ❖ Contributes to improved soil biological activity and overall soil health.

#### **Expected Results**

- ❖ Healthier and more active root systems.
- ❖ Improved nutrient uptake and plant establishment.
- ❖ Enhanced plant vigor and uniform crop growth.
- ❖ Better soil structure and microbial balance.
- ❖ Supports consistent crop performance under varying conditions.

#### **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:

TRICHODERMA HARZIANUM.....	1%
CARBOXY METHYL CELLULOSE.....	1%
DEXTRASE.....	98%

### 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

