IRA Biotech

Biomagic-D



Biological Protection Against Diseases

BIO MAGIC-D is a microbial soil amendment containing a consortium of naturally occurring beneficial microorganisms designed to enhance soil biological activity, improve root development, and support plant health under biotic stress.

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

- Suppresses soil-borne fungal and bacterial pathogens through competitive exclusion
- Produces antifungal and antibacterial metabolites
- Enhances rhizosphere microbial balance
- Improves root growth and nutrient uptake
- Induces plant systemic resistance (ISR)

Expected Results

- Improved root health and plant vigor within 4–7 days
- Reduced disease pressure with regular use
- Enhanced soil microbial activity and crop resilience

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:

Pediococcus Acidilactici.....1.5%
Lactobacillus Acidophilus.....1.5%
Dextrose.....97%

Physical Characteristics:

White Powder, Water Soluble, pH: 5.5-8.5

Activation & Application:

Application Rate:

- 100 grams per hectare

Activation & Application Method:

- Mix 100g BioMagic-D in 200L water + 3 kg/3L molasses and leave for 24 hours. After activation, make the volume up to 200 L.
- Soil application: Dilute the activated 200 L in 700 L water/ha and apply through drenching or drip irrigation.
- Foliar spray: Dilute the activated 200 L in approximately 500 L water/ha and spray uniformly.

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



