IRA Biotech

Biomagic-P



Biological Protection Against Pests

Biomagic-P is a microbial biopesticide formulated with a consortium of beneficial entomopathogenic fungi and bacteria. It helps manage major sucking and chewing insect pests by natural microbial action and supports sustainable pest management in field and horticultural crops.

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

The spore of the fungus when comes in contact with the cuticle (skin) of the target pest insect it germinates and grows directly through the spiracle in the cuticle into the inner body of the host. The fungus by taking nutrients from the insect proliferates and colonizes the entire insect and thus drains the insect of nutrients thus helping the crop

Expected Results

- Supports a balanced soil and plant microbiome
- Assists in reducing the impact of target pests through natural biological interactions
- Contributes to improved plant vigour and crop establishment

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.....1%
Bacillus Megaterium.....1%
Dextrose.....98%

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-P 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



