Soil Phix Microbial Inoculant

Soil Phix contains 7 categories and 30 strains of beneficial microbes and fungi, each with specific functions that work together to improve plant performance and soil vitality.

1. Glomus Fungi

Arbuscular Mycorrhizal Fungi (7 species)

- Enhances nutrient uptake (esp. phosphorus & micronutrients)
- Increases drought resistance
- Boosts disease resistance

2. Pisolithus Fungi

- Stimulates root development
- Aids nutrient exchange

3. Rhizopogon Microbes

- Forms a symbiotic relationship with roots
- Absorbs nitrogen & phosphorus
- Enhances water uptake
- Strengthens disease resistance
- Improves soil structure & stress tolerance
- Excellent for seedling establishment

4. Bacillus Microbes

- Beneficial Soil Bacteria
- Biological nitrogen fixation
- Phosphorus stabilization
- Natural disease suppression
- Promotes plant growth & stress tolerance
- Decomposes organic matter
- Improves soil structure

5. Paenibacillus Microbes

- Nitrogen fixation & phosphate solubilization
- Promotes growth & triggers plant defenses
- Decomposes organic matter
- Bioremediation support
- Increases drought tolerance

6. Streptomyces Microbes

- Actinobacteria with Antimicrobial Properties
- Produces natural antibiotics (biocontrol)
- Decomposes organic matter
- Solubilizes phosphate & cycles nitrogen
- Aggregates soil for better structure
- Promotes plant growth & stress resistance

7. Trichoderma Fungi

- Suppresses plant pathogens (biocontrol)
- Induces plant defense mechanisms
- Solubilizes nutrients (esp. phosphorus)
- Promotes root & shoot growth
- Decomposes organic matter
- Improves soil structure
- Breaks down pathogen cell walls
- Enhances tolerance to environmental stress

Glomus intraradices
33.4 propgules per gram
Glomus mosseae
33.4 propagules per gram
Glomus deserticola
33.4 propagules per gram
Glomus fasciculatum
33.4 propagules per gram
Glomus clarum
16.7 propagules per gram
Glomus microaggregatum
16.7 propagules per gram
Glomus monosporum
16.7 propagules per gram
Pisolithus tinctorius
150,000 spores per gram
Rhizopogon villosullus
8,344 spores per gram

Rhizopogan luteolus
8,344 spores per gram
Rhizopogon amylopogon
8,344 spores per gram
Rhizopogon fulvigleba
8,344 spores per gram
Bacillus subtilis
166,666,667 CFU per gram
Bacillus firmus
166,666,667 CFU per gram
Bacillus licheniformis
166,666,667 CFU per gram
Bacillus amyloliquefaciens
166,666,667 CFU per gram
Bacillus coagulans
166,666,667 CFU per gram
Bacillus megaterium
166,66,667 CFU per gram

Bacillus pumilus
166,666,667 CFU per gram
Paenibacillus durum
166,666,667 CFU per gram
Paenibacillus polymyxa
166,666,667 CFU per gram
Pseudomonas fluorescens
33,333,334 CFU per gram
Pseudomonas putida
33,333,334 CFU per gram
Streptomyces lydicus
33,333,334 CFU per gram
Streptomyces griseus
33,333,334 CFU per gram
Trichoderma harzianum
33,333,334 CFU per gram
Trichoderma reesei
33,333,334 CFU per gram