LIVING WATER
Inoculate - Stimulate - Regenerate

Soil Biology Test Summary

The findings below are from our Soil Biology Summary using the Living Water product, applied between June 2024 and November 2024 on pistachio and citrus in California, showcasing improved soil health and nutrient availability.

800 Acres | California

11 Injection Sites

Key Improvements	June 2024	November 2024	% increase
Beneficial Fungi	331	975	195%
Beneficial Bacteria	341	448	31%
Biological Carbon	677	1330	99%
Biological Nitrogen	94	141	50%
C/N Ratio	7 : 1	10 : 1	42%

The Living Water solution provides an innovative, cost effective, OMRI Certified system that enhances soil and crop health through an automated microbe bioreactor. This technology **optimizes water use**, **boosts soil biology**, and **reduces input costs**, supporting both organic and conventional farming. To learn more, visit **www.WeSaveSoil.com**.

Please note results presented are not guaranteed by Living Water, as success depends on individual soil conditions. All testing was performed with Earthfort Soil Life test.

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