

# Microbac

**MicroBac is a concentrated suspension of active soil bacteria and fungi. Microbac consists of 4 endomycorrhizal fungi species and 7 ectomycorrhizal fungi species.**

**Microbac provides support for soils which have been damaged (e.g. by drought stress, heavy-equipment compaction, chemical runoff) or depleted (e.g. by intensive growing, erosion, and weathering). These microbes go on to liberate minerals and nitrogen in a soluble, plant-usable form.**



## Southern Organics & Supply's OMRI Listed Products

Black Sea Kelp 1-1-10  
Coral Calcium  
Fish Hydrolysate 2-3-1  
Granular Kelp Meal 1-0-2  
Liquid Humate Plus  
Liquid Yucca Extract  
Nutri-Cast 3-4-2  
Vermacast 1.1-0.2-0.1  
Vermacompost Fine Grade 1.0-0.5-0.5  
Vermacompost Standard Grade 1.0-0.5-0.5  
Vermamax 4-4-2 w/9% Ca  
Vermaplex 0.48-0.01-0.016



## Microbac Mycorrhizal Inoculum

**Liquid Microbial Stimulant**

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# Microbac

## Organic Liquid Microbial Stimulant



### About Microbac:

- A liquid concentrate of beneficial bacteria and fungi. Because the beneficial microbes are in liquid suspension, they are easily applied over large areas.
- The mycorrhizae in MicroBac colonize the soil and plants' roots, improving plants' nutrient uptake and resistance to stress.
- The microbes convert atmospheric nitrogen into soluble forms. They also secrete natural gels that bond soil particles together and improve soil texture.
- They colonize plant roots, expand into the surrounding soil and greatly increase the root's ability to absorb water and nutrients, while improving plant yields and health.

## Mixing Instructions:

When mixing with water, fill container halfway, then add product and the remaining water.

**Gallon Mix:** While agitating the solution add 1 fluid ounces of Microbac to 1 gallon of water.

**Tank Mix:** While agitating the solution, add 1/2 gallon of Microbac to 50 gallons of water.

**Directions For Use:** Shake well before use. Do not store diluted.

**Shelf life is 2 years from date of purchase.**

## Application Rates

**Apply 50 gallons of Microbac mixture per acre. (20 ounces per 1,000 ft<sup>2</sup>)**

**Transplants:** Dip damp roots in the Microbac solution so a small amount sticks to the roots or drip into planting holes. Use 1 ounce under each cutting.

**Potted Plants:** Apply 1/2 teaspoon of Microbac to potted plants.

**Trees:** Apply 1/4 ounce per inch of stem caliper

**Nurseries:** Microbac can be mixed into the soil before/during filling cavities, pots and trays. Use 2 to 4 ounces per yard. Use a higher rate if filling smaller cavities.

**Restoration of soil:** Use 6 ounces per acre for broadcast or hydro-mulch applications, before or during planting.

## Guaranteed Analysis:

**ALSO CONTAINS NON-PLANT FOOD INGREDIENTS**

**Soil Amending Guaranteed Analysis:**

**Endomycorrhiza:** Glomus intradices, Glomus mosseae, Glomus aggregatum and Glomus etunicatum (7 propagules/mL each)

**Ectomycorrhizae:** Rhizopogon villosulus, Rhizopogon luteolus, Rhizopogon amylopogon, Rhizopogon fulvigleba (670 propagules/mL each)

**Pisolithus tinctorius:** (24,000 propagules/mL)

**Scleroderma cepa and Scleroderma citrinum:** (1,320 propagules/mL each)



### Product Sizes Available:

**1 Gallon    2.5 Gallons    5 Gallons**  
**55 Gallons    275 Gallons**