

In a typical, healthy soil environment, many different soil microorganisms may be found. However, in abused soils which have been tilled (tillage increases the loss of humus, soil compaction and topsoil erosion) with chemicals applied as fungicides, herbicides, insecticides and high salt fertilizers, the resident microbial populations can be negatively affected. Augmenting the soil's depleted microbial population with additional microorganisms has been practiced in agriculture for several decades. The addition of nutrients, along with such microbes may be desirable, even necessary.

**Reasons To Use Additional Microbes Plus Nutrients (Humic Acid or Fertilizer) Are:**

- 1. To Supply Nutrients To Crops**
- 2. To Stimulate Plant Growth Due To Production Of Plant Growth Hormones By Microbes**
- 3: To Work As An Antagonist To Inhibit Growth Of Plant Pathogens**
- 4. To Improve Soil Structure**
- 5. To Promote Mineralization Of Organic Pollutants**
- 6. To Promote Microbial Breakdown Of Inorganic Substances.**

# Boosts Soil Life!

***B.F.-888* literally breathes life back into polluted and over processed soil and water.**

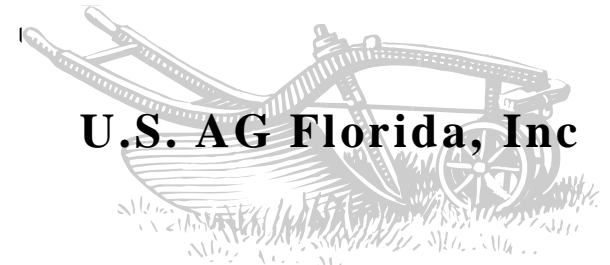
The mixture of microorganisms is similar to the first primordial mixture of microorganisms found on earth in that it is composed of all three types of microbes: those that require oxygen (aerobes), those that require no oxygen (anaerobic) and those that can live with or without oxygen (facultative anaerobes).

**Our B.F.-888 Can Help You To Grow Better Crops!**

**Call Us Today to Learn More!**

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**U.S. AG Florida, Inc**

**CleanGreen®**

**B.F.-888**

**Soil Biological**



**All Life Begins In The Soil.**

**Our B.F.-888 Contains All the Microbial Organisms Your Plants Need to Grow to their Full Potential!**



**[www.usagflorida.com](http://www.usagflorida.com)**

## Benefits of *B.F.-888*

*B.F.-888* helps to improve soil structure by increasing aeration and water penetration. The microbial and bio-chemical content also helps to balance the soil, both physically and chemically. Consistent use can help reduce soil compaction and salinity; and help plants obtain nutrients more efficiently. As such, *B.F.-888* can be a valuable complement to both organic and inorganic fertility programs.

*B.F.-888* has also been shown to help restore soil microbial activity and diversity when applied following fumigation or sterilization of soils.

Use *B.F.-888* as a microbial soil amendment, improving conversion of organic and inorganic fertilizers into plant-available forms and increasing microbial biomass. Also aids in the building of soil structure, retention of soil water, and treatment of soil salinity problems. Apply with water through irrigation systems or with spray equipment. Diluted product may be applied directly to the soil as a pre-plant or post-plant treatment, or as a foliar application. Soil applications should be made on moistened soil and watered in when possible. Excellent as starter or co-mix for compost teas.

- Enhances Nutrient Conversion
- Supports Superior Seedling Development
- Helps Restore Soil Microbial Activity and Diversity After Fumigation
- Reduces Soil Compaction
- Improves Root Mass Development & Penetration
- Improves Soil Water Retention
- Improves Germination
- Helps Buffer Fertilizer Solutions
- Helps Reduce Salts in the Soil
- Encourages Nutrient Uptake
- Environmentally Safe Organic Product
- Breaks Down Compounds in Soils Such as Fertilizers, Diesel, Oil, Gasoline, Pesticides, Herbicides, and more!

**Bring Problem  
Soils Back Into  
Production!**

## Compaction

Biological improvement practices offer both short and long-term benefits in the reduction of hardpan in soils. The diverse families of microbes in *B.F.-888* begin improving the soil profile upon application. The microbes accomplish this by aerating the soil and increasing its water-holding capacity. The microbes' ability to digest the chemical components of hardpan releases the bound soil particles, moisture and nutrients making them available to plants.

The short term benefits of using *B.F.-888* are the immediate increase in root mass and the ability of the roots to penetrate the hardpan layer. This allows the plant to utilize subsoil moisture and nutrients that are in or below the hardpan.

The Long-term benefits of using *B.F.-888* are the increase of the humus fraction of the soil, higher moisture-holding capacity and improve aeration of the soil. The increased biological activity in the soil by beneficial microbes causes an increase in the humus fraction of the soil that contains microbially produced enzymes, hormones and antibiotics, thus leading to a more productive soil and healthier, hardier plants.