

# MicrobeBio<sup>®</sup>

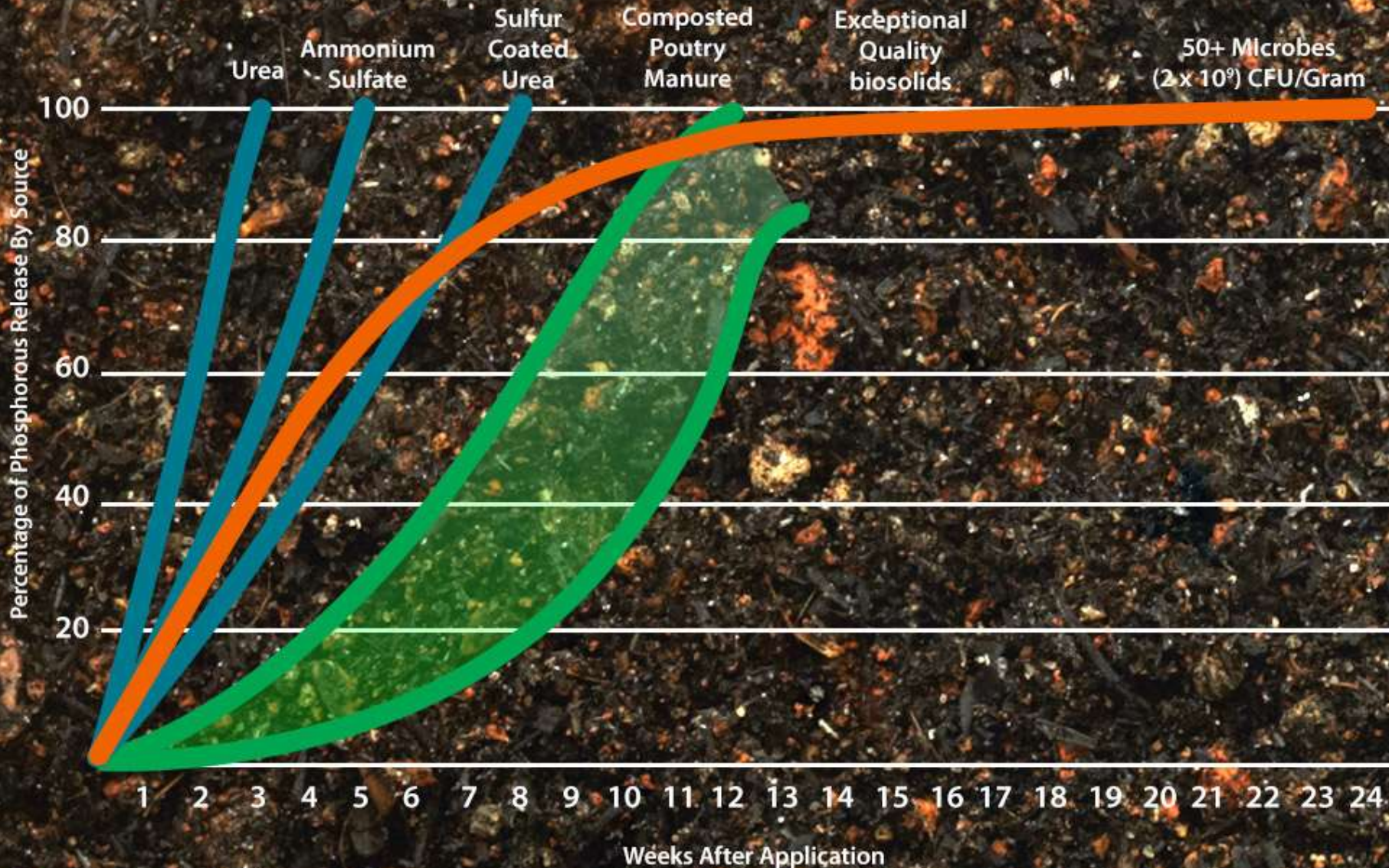
Super Soil Activator<sup>™</sup>



# INTRODUCTION:

- MicrobeBio<sup>®</sup> Super Soil Activator – Ease of use and dry broadcast application – was formulated specially to be combined the significant macronutrients (16% N, 2% P, and 3% K) and 50+ beneficial microorganism. MicrobeBio<sup>®</sup> Super Soil Activator acts as a spreadable for dry broadcast application that is reliable to support plants in the uptake and usability of nutrients essential for crops' health and productive life cycle.
- Soil health is fundamental to profitable and sustainable agriculture. Vital organic matter and nutrients are often destroyed, depleted, or otherwise lost from the soil through overuse of fertilizers, erosion, and runoff as a consequence of unsustainable farming practices.
- We harness nature's technology to bring new solutions to modern agriculture. Our microbial formulation is postponed in an organic bio-stimulants that complement each other to promote soil quality, plant health, and fertility in several ways.

# 5 SOURCES OF NITROGEN ENHANCED WITH 50+ BENEFICIAL MICROBES



Three Month Green-Up Enhanced with 24 Month Nitrogen Fixation

## With Five Sources of Nitrogen and Plant Growth Microbials

### RELEASE RATES

Urea / 2-3 weeks

Amm Sulfate / 3-4 weeks

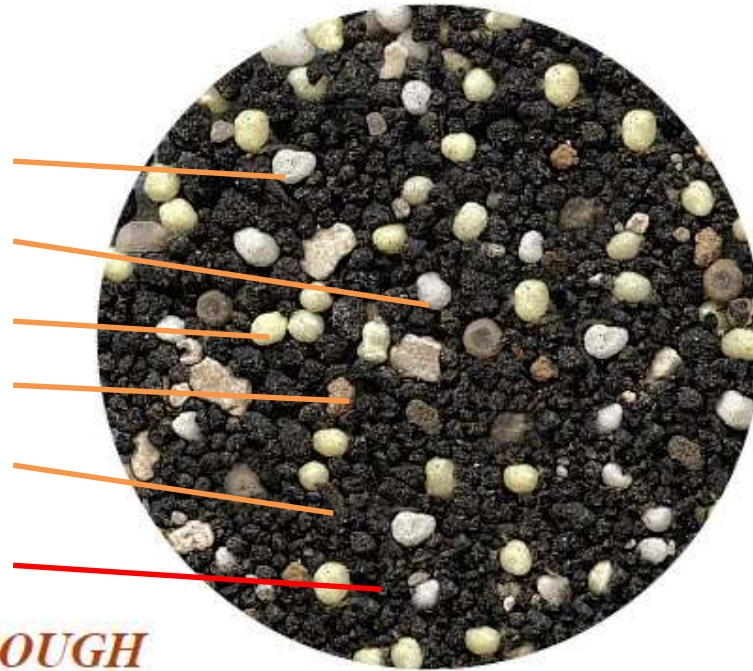
SCU / 4-6 weeks Nature

Pure / 6-10 weeks EQ

Biosolid / 10+ weeks

**Enhanced with 50+ Beneficial Microbes ( $2 \times 10^9$ ) CFU/G**

***LOW-TECH BREAK THROUGH  
NO FRILLS PRICE • HIGH TECH VALUE***



ACTUAL SIZE, SGN 200

TOTAL NITROGEN (N)	16.0%
3% Ammoniacal Nitrogen	
10.6% Urea Nitrogen*	
2.4% Water Insoluble Nitrogen**	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.0%
Soluble Potash (K <sub>2</sub> O)	3.0%
Calcium (Ca)	1.0%
Sulfur (S) – The combination sulfur	4.0%
Iron (Fe)	1.0%
50 + Beneficial Microorganism	(2 x 10 <sup>9</sup> CFU/G)
*7.25% Slowly available Urea Nitrogen from Sulfur Coated Urea	
** 2.40% slowly available water insoluble nitrogen from poultry manure and biosolids.	

## Trustworthy Green-Up – Long Lasting

- An ideal amazing fertilizer containing five nitrogen sources (Urea, Ammonium Sulfate, Sulfur Coated Urea, Composted Poultry Manure, and Exceptional Quality Biosolids) enhanced with 50+ Beneficial Microbes that blend beautifully together allowing for an easy-to-apply treatment.
- 40% organic matter enhanced with 50+ Beneficial Microbes ( $2 \times 10^9$ ) CFU/G has been enriched with soil and plant healthy promoting beneficial bacteria to provide instant biodiversity to the soil. Super Soil Activator enhanced with 50+ Beneficial Microbes is designed for the professional who must deliver quick results without surge growth and rely on it perform over 24 weeks.



# **SUPER SOIL ACTIVATOR – 40% Organic Matter enhanced with 50+ Beneficial Microbes (2 x 10<sup>9</sup>) CFU/G**

Microbebio® has developed a powerful and natural technology that has had a positive impact the agriculture industry. All of our products use microbes, which are single-celled organisms. They are the oldest form of life on Earth and without them we could not eat or breathe. Within every square foot of soil there exists a unique bio-environment that contains millions of beneficial and non-beneficial microbes, fungi, bacteria, and other soil organisms. In balanced soils, these microorganisms coexist naturally. However, through overuse of traditional NPK fertilizers, fungicides, herbicides, and other harmful chemicals, these microorganisms are not able to function properly. In addition, this overuse has caused chemical resistant strains of diseases and inhibited soil nutrient performance. Super Soil Activator has developed a proprietary formula which contains 50-plus different types of beneficial microbes, from a variety of natural environments; deserts, jungles, mountains, valleys, oceans, etc. These diverse microbes are strong enough to alter indigenous farmlands for optimum performance and benefits.

Our microbes deliver these 6 functions that are beneficial for optimal growth:

1. Biological Nitrogen Fixation – the process of assimilating atmospheric nitrogen into organic compounds, especially by microorganisms.
2. Phosphate Solubilization – the process of solubilizing bound phosphate in the soil and making it available for uptake by plants.
3. Mobilization and Mineralization – the process of mobilizing and mineralization of soil nutrients such as salt, phosphate, magnesium, and calcium into a form that is easily used by the plant.
4. Phytohormone Production – the process of using carbon sequestration to increase healthy plant hormones.
5. Saprophytic Competence – saprophytes live on dead or decomposing matter. They help the microbes in Super Soil Activator products to compete with native soil microbes, allowing them to better perform their intended functions.
6. Soil pH – Super Soil Activator products promote optimal soil pH under extreme environmental condition.

In addition, Super Soil Activator significantly increases the organic carbon in the soil for optimal results. In fact, our products can increase carbon input significantly.

Our microbes are biological soil conditioners which can greatly reduce sodium and heavy metals in soil and waste water. This process is as important as adding healthy microbes to the soil and is achieved through the use of beneficial bacteria.

Our microbes perform a wide variety of tasks in the soil, all of which help plants in one way or another. For example, some enable plants to better tolerate extreme fluctuations in temperature, while others help to control the spread of bacteria and viruses. Some microbes help improve resistance to drought and pests, while others increase a plant's ability to absorb necessary nutrients. Some microbes even break-down other elements in the soil, allowing their vitamins and minerals to be more easily absorbed by crops.

### **Product Benefits**

- Significantly increases crop yields
- Reduces chemical fertilizer use
- Reduces pesticide, herbicide, and fungicide use
- Improves water-retention
- Increases Cat-ion exchange capacity
- Remediate the soil, reversing previous damage
- Improves crop health
- Accelerates healthy decomposition of organic matter
- Creates larger, deeper, and better developed root systems
- Better tasting fruits and vegetables
- Our microbes are organic, nontoxic, non-GMO
- Healthy fields, healthy livestock
- Significantly increases in-soil organic carbon
- Decreases sodium and heavy metals in soil

## **Multi – Purpose - Budget Saver**

- Super Soil Activator Enhanced with 50+ Beneficial Microbes ( $2 \times 10^9$ ) CFU/G contains organic matter and state-of-the-art beneficial microbes absent in straight chemical fertilizer. Customers across America are using Super Soil Activator Enhanced with 50+ Beneficial Microbes ( $2 \times 10^9$ ) CFU/G for home lawns, commercial turf, all commodity row crops, rice, vegetable and fruit trees.
- Rich in soil-life microorganisms and stimulating compounds that aid in nutrition and disease suppression; save money by recycling resources inexpensively.



## Water Conservation

- Uptake of less complex substances from organic matter by younger roots makes plants hardier with better heat and drought tolerance. Soils regularly replenished with organic matter produce plants requiring less irrigation.
- Additionally, the addition of beneficial bacteria aide in plant root nutrient uptake and improved germination. Save water on the landscape and preserve waterways nationally with more effective fertility programs avoiding overuse of salts.

## **Environmental & Regulatory Bonus**

Super Soil Activator Enhanced with 50+ Beneficial Microbes is also a powerful option towards self-regulation. Overly restrictive laws are intended to reduce leaching and runoff but our industry (YOU) can play a major role in providing the solution by converting potential wastes into valuable processed granules of organic matter. When blended with conventional sources many synergies result-agronomically, economically and environmentally!



## Benefits

- Accelerates mineralization of soil organics for improved plant nutrient uptake.
- Significant improves phosphorus uptake.
- Significant improves crop yield and production.
- Enhances soil health and microbial biodiversity.
- Essential increases in Brix level.
- Unlocks bound up nutrients,

