ENVIRONMENT FRIENDLY
100% ORGANIC
NO HARM TO NATURE

Mikrobs

www.mikrobs.com

Mikrobs

www.mikrobs.com

Healthier Growth, Higher Yield, while Restoring Our Earth

Mikrobs is an OMRI-Listed organic microbial **soil amendment/bioinoculant** for plant and root growth stimulation that competes out fungal pathogen, parasitic bacteria, and insects. The organic blend is composed of three types of microbes— Rhizobacteria (bacillus spp.), Trichoderma fungi, Mycorrhizal fungi— while additionally including supplements (humic/fulvic acid, amino acid, kelp, molasses) to provide the microbes with excellent nutrients and growing bed. The three microbes live symbiotically with plants and yield higher synergy when placed together. Individually, Rhizobacteria contributes to nitrogen and phosphate availability for immediate uptake, while Mycorrhizal Fungi and Trichoderma Fungi help plants uptake nutrients even under harsh environmental conditions. Together, Rhizobacteria and Trichoderma fungi contribute to a steady propagation of Mycorrhizal fungi. Likewise, the specific blending of multiple bioinoculants in Mikrobs actively helps manage rhizospheres and soil balance by maintaining the beneficial microfloral populations through the combined symbiotic interactions between all the partner microbes. This introduces morphological and physiological changes to the root system, leading to an expansion of lateral roots and root hairs that facilitate increased nutrient and water absorption.

BENEFITS

- ✓ Enhances cation exchange capacity and nutrient uptake
- ✓ Produces metabolites- promoting plant growth and increased photosynthesis
- ✓ Increased resistance to biotic & abiotic stressors
- ✓ Retains organic matter & nutrients in the soil, while supplying additional numerous minerals
- ✓ Reduces biotic and abiotic stresses, overall encouraging sturdier, greener stems & leaves

FUNCTIONS

- ❖ Soil Fertility & Soil Restoration: Rhizosphere & Soil Balance Management
- ❖ Increased: Nutrient & Water Uptake, Nitrogen & Phosphate Availability, Resistance to Biotic & Abiotic Stressors
- ❖ Expansion of Lateral Roots & Root Hairs
- ❖ Further Propagation of Microbial Populations: Formation of Healthy, Self-Sustaining Soil Ecosystems
- ❖ Overall Healthy, Robust Plant & Root Growth

SOME KEY HIGHLIGHTS

◆ **Longer Shelf Life & Higher Versatility:** Mikrobs is composed of very fine powder that lasts 1.5 ~ 2 times longer than liquid counterparts. But since the product is made to be highly water-soluble, it is also easily dissolved in water for liquid/hydroponic use with 2-3 simple stirs, making the product more versatile and longer-lasting.

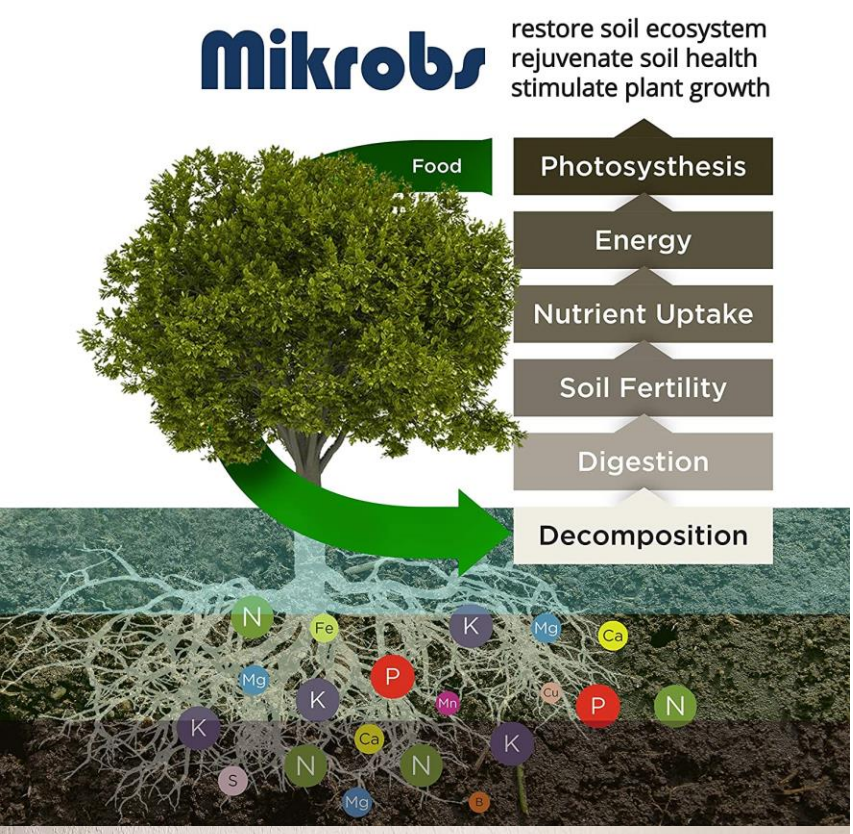
◆ **Larger Variety of Microbial Species:** A high number of microbes is important, but it is as important to consider the variety and combination of microbes. While the majority of microbial products are mono-strained or dual-strained, Mikrobs contains three microbial species, with a high number of each. Further, it is essential to note that the specific combination of these strains in Mikrobs are able to stimulate further propagation, thus ensuring a higher survivability rate.

◆ **Inclusion of Other Minerals & Nutrients**: Mikrobs contains humic/fulvic acid, amino acid, sea weed kelp to provide microbes with stable conditions for survival with proper nutrients, PH moderation, and provision of nutrients and minerals directly to plants. In fact, many of our clients have cut out additional applications of costly nutrients, as there is no longer a need due to a large quantity inclusion in our microbial blend.

Mikrobs

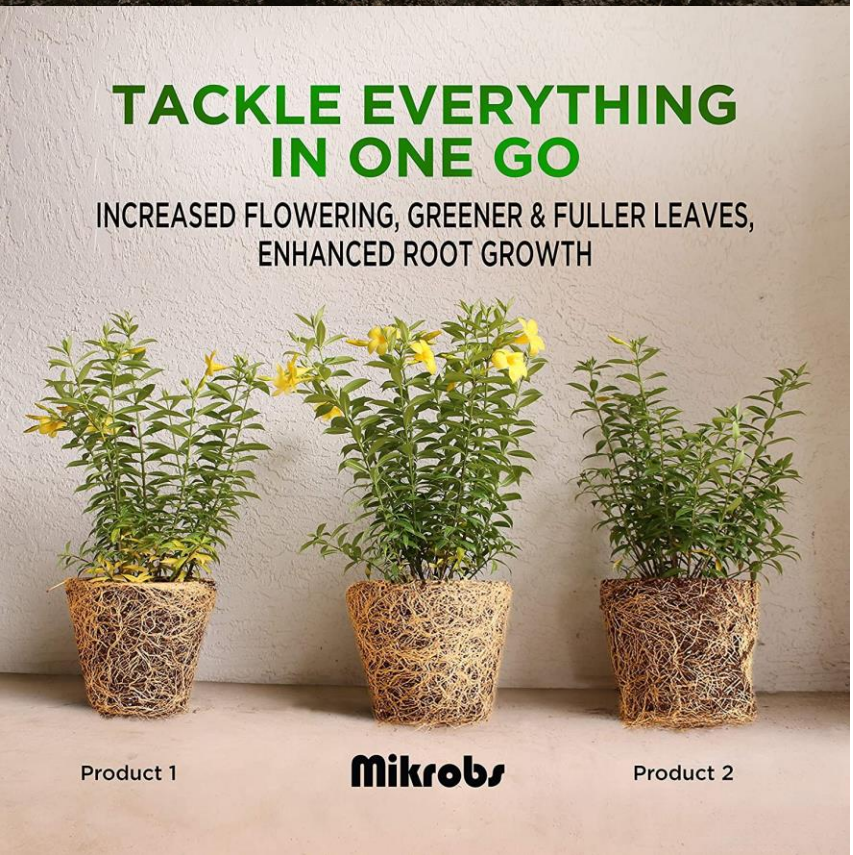
www.mikrobs.com

Healthier Growth, Higher Yield, while Restoring Our Earth



GUARANTEED OUTCOMES:

- ✓ Healthier & Faster Growth
- ✓ Sturdier Root Systems
- ✓ Increased Resistance to Biotic & Abiotic Stressors
- ✓ Reduced Susceptibility to Garden Pest Infections



APPLICATION RATE

Target Area		Mix Rate	Application	Interval
Potted Plants	1 gal.pot	1 tsp (2.5g) / gallon of water	10-12 pots / gal.	7-10 days
	3 gal.pot	1 tsp (2.5g) / gal.	6-8 pots / gal.	7-10 days
	7 gal.pot	1 tsp (2.5g) / gal.	4-5 pots / gal.	7-10 days
	15 gal.pot	1 tsp (2.5g) / gal.	2-3 pots / gal.	7-10 days
Plants in Garden Bed	Smaller than 1 ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	8-10 plants / gal.	7-10 days
	1ft - 2ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	7-8 plants / gal.	7-10 days
	2ft - 4ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	5-6 plants / gal.	7-10 days
	4ft - 6ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	3-4 plants / gal.	7-10 days
	6ft - 8ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	1-2 plants / gal.	7-10 days
	Taller than 8 ft	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	2-3 gal. / tree	7-10 days
Transplanted Plants		1 tbsp (5.0g) / gal.		5-7 days
Soil Amendment		1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	2-3 gal.of Mikrobs-mixed water for 1,000 sq.ft	3-4 weeks
Lawn		1 tbsp (5.0g) / gal.	2-3 gal.of Mikrobs-mixed water for 1,000 sq.ft	2-3 weeks
Crops	Drench	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	Same as "Plants in Garden Bed"	1-3 weeks*
	Drip / Trickle / Microjet	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	3-4 gal.of Mikrobs-mixed water for 1,000 sq.ft (1.5 lbs. - 2.0 lbs. of Mikrobs covers 1 acre)	
	Spray	1 tbsp (5.0g - 7.5g) / gal.		

* Application Interval by Growth Stage
- Vegetative Development : 7-10 days
- Fruiting : 2 weeks
- To maintain general plant health against biotic/abiotic stresses : 2- 3 weeks

Ingredients

4 Species of Rhizobacteria (4.8 x 10^8 cfu/g)
. Bacillus Licheniformis …….. 1.2 x 10^8 cfu/g
. Bacillus Pumilus …….. 1.2 x 10^8 cfu/g
. Bacillus Subtilis …….. 1.2 x 10^8 cfu/g
. Bacillus Megaterium …….. 1.2 x 10^8 cfu/g

4 Species of Endomycorrhizae (28 cfu/g)
. Glomus Intraradices …….. 7.1 cfu/g
. Glomus Mosseae …….. 7.1 cfu/g
. Glomus Aggregatum …….. 7.1 cfu/g
. Glomus Etunicatum …….. 7.1 cfu/g

3 Species of Trichoderma Fungi (1.5 x 10^6 cfu/g)
. Trichoderma Harzianum …….. 5 x 10^5 cfu/g
. Trichoderma Viride …….. 5 x 10^5 cfu/g
. Trichoderma Longibrachiatum …….. 5 x 10^5 cfu/g

Other Ingredients (77.9%)
. Humic Acid, Fulvic Acid, Amino Acid, Kelp (Ascophyllum Nodosum), Black Strap Molasses

Available Sizes

- 3oz / 8oz / 1lb Stand-up Pouch
- 5 lbs. / 35 lbs. Pail

Storage

Keep it sealed and store in a cool & dry area. Avoid direct sunlight.

Warranty

Microbial Application, Inc., manufacturer and distributor of Mikrobs, offers a FULL refund without dispute if you return the product within 45 days of purchase. However, the customer will be liable for the return shipping fees. Refund process will be initiated upon receival of returned product. Reimbursement will be processed through the original payment method. Disclaimer: We offer no guarantees concerning the use of this product other than what is indicated on the label.