



<sup>TM</sup>  
**MicroLife**

# BUYERS GUIDE

Your guide to the  
comprehensive line of  
**MicroLife – All Organic  
Biological Fertilizers  
and Amendments**

[MICROLIFEFERTILIZER.COM](http://MICROLIFEFERTILIZER.COM)

 [FACEBOOK.COM/MICROLIFEORGANICS](https://FACEBOOK.COM/MICROLIFEORGANICS)

*what separates*  
**MICROLIFE**

FROM ALL THE OTHER  
FERTILIZERS AND AMENDMENTS ?



Quality and performance that stems from total belief in mission, that is .. 'We believe that healthy soils, healthy plants and healthy people are all connected'. Only through use of Organics will that occur. Organics then is really a story about complete nutrition.

When you correctly feed any organism, be it soil fungi, turfgrass, animals or humans; that life form will have the best chance to excel. And when a living organism is healthy; we have less problems, it's easier to maintain and costs go down. So with MicroLife we take our job very seriously and build the best products in the world for all plants and soils.

It starts with the ingredients we use which we list on every product. We use an incredibly diverse nutrient profile, follow exacting nutritional spreadsheets and put all ingredients in meaningful amounts. No window dressing for us. All components used must benefit both the plant and the soil. Please take a look at our products, what we use and the science behind our products. There you will find why MicroLife products have been in continuous production since 1988... they work!





## MicroLife 6-2-4 All Organic Biological Fertilizer

Multi-purpose for all Turfgrasses, Ornamentals, Perennials, Flowers and Vegetables

Use for:

The very first MicroLife, multi-purpose, fantastic performer and proven for all Turfgrasses, Ornamentals, Perennials, Trees, Flowers and Vegetables. 100 % slow release and will not burn. You can depend on this product to serve you well for increasing all plant performance. Provides over 100 + nutrients, minerals, vitamins, natural plant hormones, natural plant stimulators, essential sugars/amino acids/carbon/protein and billions of beneficial microbes representing 76 different species.

**MicroLife Multi-purpose 6-2-4** is an extremely powerful, homogenous, granulated All Organic Biological fertilizer containing: Fish, Kelp, Molasses, Emery Humates, Bat Guano, Rock Phosphate, Wheat Middling's, Soy Meal, Cottonseed Meal, Alfalfa, Corn Meal, Kmag, Potassium Sulfate, Iron Sulfate, 18 select Amino Acids, Folic Acid, Vitamins, plus the MicroGro Supreme Bio-Inoculant package which contains billions of beneficial microorganisms including Endo & Ecto Mycorrhizal fungi. All ingredients are included in meaning amounts.

**MicroLife 6-2-4** improves all soils by feeding the indigenous microbes, adding billions more, by providing specific soil improvers like polysaccharides, humic acid, fulvic acid and the major building blocks of life. **MicroLife 6-2-4** builds big root systems which further improves the soil and reduces water use.

Rates:

- Turfgrass: 15 – 20 lb per 1,000 sq ft. Repeat every 3 – 4 months
- Ornamentals, Flowers, Veggies & Fruit: 20 – 40 lb per 1,000 sq ft. Repeat every 3 – 4 months
- Building Beds and Gardens: 40 lb per 1,000 sq ft worked into the soil
- Tree installations & Containers: 2.5 oz per 5 gal size. Repeat every 3 – 4 months

Sizes Available: 7 lb • 40 lb • Ton 50/40 lb



The University of Texas uses MicroLife

MICROLIFE GRANULAR ORGANIC FERTILIZERS

## Plants need at least 52 minerals to be healthy



Chemicals provide maybe 7 minerals

				N		
K	Fe	Cu	Zn	P	Cl	



MicroLife provides over 70 minerals

H	Be									B	C	N	O	F
Li	Mg									Al	Si	P	S	Cl
K	Ca	Ti	V	Cr	Mn	Fe	Co	Cu	Zn	Ga	Ge	Sb	Se	Br
Rb	Sr	Zr	Nb	Mo	Os	Rh	Pd	Ag	Cd	Tl	Sn	Te		I
Cs	Ba	Hf	W	Hs	Ir	Pt	Au	Hg	Cn	Pb	Bi			
Fr	Ra	La	Ce	Th	U	Np	Bk	Cf	Es	Fm	Md			



*MicroLife brings out the best in all plants*



*Bayou Bend only uses MicroLife*



## MicroLife Azalea 6-2-4 All Organic Biological Fertilizer

**Azaleas, Roses, All Acid Loving Plants and Plants in High pH Soils**

Use for: 

Outstanding nutrition for Azalea, Roses and all plants growing in high pH environments. Contains extra Sulfur (14%) and Humates. 100% slow release and will not burn. Provides over 100 + nutrients, minerals, vitamins, natural plant hormones, natural plant stimulators, essential sugars/amino acids/carbon/protein and billions of beneficial microbes representing 76 different species.

**MicroLife Azalea 6-2-4** is an extremely powerful, homogenous, granulated All Organic Biological fertilizer containing: Fish, Kelp, Molasses, Emery Humates, Bat Guano, Rock Phosphate, Wheat Middling's, Soy Meal, Cottonseed Meal, Alfalfa, Corn Meal, Kmag,

Potassium Sulfate, Iron Sulfate, 18 select Amino Acids, Folic Acid, Vitamins, plus the MicroGro Supreme Bio-Inoculant package which contains billions of beneficial microorganisms including Endo & Ecto Mycorrhizal fungi. All ingredients are included in meaning amounts.

**MicroLife Azalea 6-2-4** improves all soils by feeding the indigenous microbes, adding billions more, by providing specific soil improvers like polysaccharides, humic acid, fulvic acid and the major building blocks of life. **MicroLife Azalea 6-2-4** builds big root systems which further improves the soil and reduces water use.

Rates:

Building Beds and Gardens: 40 lb per 1,000 sq ft worked into the soil.

Top Dressing of Azaleas, Roses and Ornamentals: 20 – 40 lb per 1,000 sq ft. Repeat every 3 – 4 months.

Turfgrass: 15 – 20 lb per 1,000 sq ft. Repeat every 3 – 4 months

Sizes Available: 7 lb • 40 lb • Ton 50/40 lb



All MicroLife products are professional grade regardless of the size. Homeowners never get diluted versions.

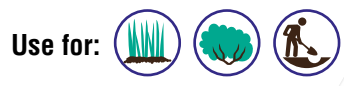




Organic product selection starts with being able to supply your clients with **solid, top performing Organic fertilizers**. It begins with **MicroLife – All Organic, Biological and highly Nutritious**.



**MicroLife Humates Plus**  
**All Organic Biological Soil Amendment**  
All Turfgrasses and Ornamentals



'Concentrated Compost in a Bag'. Tremendous soil improver and plant nutritional booster. Excellent for reducing plant water use and is used extensively on turfgrass areas. Can be used as a fertilizer too. Inexpensive and easy to spread. This is an amazing soil conditioner and greens plants quickly. Loosens clay soils better than gypsum and is cheaper to use. It is also used to revitalize beds. Excellent to apply with MicroLife 6-2-4. You will also find a big reduction in annual weed problems.

**MicroLife Humates Plus** is a very well-crafted, totally unique biological and physical soil conditioner containing: Emery Humates, Potassium Sulfate, Norwegian Kelp, Yucca Wetting Agent, Molasses, Select Sugars, plus an enhanced MicroGro Supreme Bio-Inoculant package which contains billion of beneficial microorganisms including Endo & Ecto Mycorrhizal Fungi and Nitrogen fixing bacteria.

When **MicroLife Humates Plus** is applied it quickly opens up the soil and the super nutrients drop into the root zone. There it builds bigger root systems and increases soil organic matter. Water infiltration and oxygen flow is increased all to the plant benefit. Plants get a major nutritional boost by the inclusion of 70 + minerals, plant hormones, plant stimulators, vitamins and amino acids.

Will not burn and is completely safe for all beneficial life forms

Rates:

All Turfgrasses and Garden Areas: 5 – 10 lb per 1,000 sq ft. Apply 1 – 2 times a year  
Building Beds: 10 lb per 1,000 sq ft worked into the soil.

Sizes Available:

40 lb • Ton 50/40 lb



BEFORE MICROLIFE HUMATES PLUS



3 WEEKS LATER  
AFTER MICROLIFE HUMATES PLUS

MICROLIFE GRANULAR ORGANIC FERTILIZERS



# MicroLife Ultimate 8-4-6 All Organic, Biological Fertilizer

New Installations, Top Dressing of Ornamentals, Flowers and Food Crops

Use for:    

This is the most powerful, most nutritional fertilizer possible yet will not burn. 100% slow release, an 'Organic Osmocote' but with over 100 + nutrients, minerals, vitamins, natural plant hormones, natural plant stimulators, essential sugars/amino acids/carbon/protein and billions of beneficial microbes representing 76 different species. In addition the extra NPK punch we drop in extra rock minerals so this product will rock with goodness. Awesome for all new plant starts. You will not need anything else to get your plants started.

**MicroLife Ultimate 8-4-6** is an extremely powerful, homogenous, granulated All Organic Biological fertilizer containing: Fish, Kelp, Molasses, Emery Humates, Bat Guano, Rock Phosphate, Wheat Middling's, Soy Meal, Cottonseed Meal, Alfalfa, Corn Meal, Kmag, Potassium Sulfate, Iron Sulfate, 18 select Amino Acids, Folic Acid, Vitamins, plus the MicroGro Supreme Bio-Inoculant package which contains billions of beneficial microorganisms including Endo & Ecto Mycorrhizal fungi. All ingredients are included in meaning amounts.

**MicroLife Ultimate 8-4-6** improves all soils by feeding the indigenous microbes, adding billions more, by providing specific soil improvers like polysaccharides, humic acid, fulvic acid and the major building blocks of life. **MicroLife Ultimate 8-4-6** builds big root systems which further improves the soil and reduces water use.

Rates:

Building Beds and Gardens: 40 lb per 1,000 sq ft worked into the soil

Top Dressing of Ornamentals: 20 – 40 lb per 1,000 sq ft.

Repeat every 3 – 4 months

Turfgrass: 12 – 15 lb per 1,000 sq ft

Tree installations and Containers: 2.5 oz per 5 gal size

Sizes Available: 7 lb • 40 lb • Ton 50/40 lb



*Use Ultimate for all installs*



# MicroLife Hybrid 20-0-5 Organic Biological Fertilizer

All Turfgrasses and Ornamentals • Large Coverage, Excellent Nutrition

Use for:  

**MicroLife Hybrid** is developed as a crossover Organic fertilizer. It's a great and inexpensive fertilizer to introduce the concept of 'Going Green'. The quality is much better than the standard high-salt chemical fertilizers too often used. **MicroLife Hybrid** uses Nutralene as the Nitrogen source. Nutralene is not a true Organic but is considered to be a synthetic organic because of its covalent carbon bond that benefits soil microbes. We blend in organic Potassium Sulfate, Emery Humates and put in a complete MicroGro Supreme Bio-Inoculant package. So one definition of organics is ... Does the product help or hurt the soil microbes?

**MicroLife Hybrid** definitely helps the beneficial microbes, improves all soils and does an awesome job of feeding your plants.

**MicroLife Hybrid 20-0-5** is used extensively on turfgrass areas and will be a major component of reducing your water usage while producing lush turfgrass. 100 % slow release and will not burn. In addition to the large coverage per bag **MicroLife Hybrid** inexpensively provides a rich amount of Humates, minerals, nutrients, vitamins, protein, carbon that will feed the indigenous microbes and add billions more microbes.

Rates:

Turfgrass and Ornamentals: 5 – 7 lb per 1,000 sq ft. Repeat every 3 – 4 months.

Containers: 1 oz per 5 gal size

Sizes Available: 20 lb • Ton 100/20 lb • 50 lb • Ton 40/50 lb



*Discovery Green uses MicroLife*



# BEAUTIFUL TURF USING ONLY MICROLIFE




We are very particular about what we use in the manufacturing of MicroLife. A prime example is that we never use poultry products such as poultry compost or poultry litter like some companies do. Poultry products, while cheap to include (it's a waste stream product), are loaded with arsenic, salts, steroids, anti-biotics, smell bad and attract flies. None of this is good for your properties.



## MicroLife Brown Patch 5-1-3 All Organic Biological Fertilizer

St. Augustine with Brown Patch Problems, New Sod/Plant Installs, Ornamentals

Use for:   

This is a remarkable product for you can get a correct MicroLife Fertilization and fight turf disease at the same time. **MicroLife Brown Patch** is cheaper to use than a stand-alone chemical fertilizer and chemical fungicide. If there is one thing we never want to use it's a chemical fungicide for they destroy all life in the soil, including the good guys. And chemical fertilizers never properly feed the plants and will never improve soil health which then leads to disease problems.

With **MicroLife Brown Patch** you are in engaging in biological warfare with the good microbes in **MicroLife Brown Patch** fighting the bad microbes. Plus you get the MicroLife fertilization which correctly feeds your plants, improves your soil and prevents continued disease infection with over 100 + nutrients, minerals and 53 specific beneficial microbe species.

**MicroLife Brown Patch 5-1-3** is an extremely powerful, homogenous, granulated All Organic Biological fertilizer containing very specific microbial disease fighting bacteria and fungi. Primary ingredients for plant nutrition and soil health are: Fish, Kelp, Humates, Molasses, Soy Meal, Cottonseed Meal, Wheat Middling's, Rock Phosphate, Alfalfa, Corn Meal, Kmag, Potassium Sulfate, Iron Sulfate, 18 select Amino Acids, Folic Acid, Vitamins and the MicroGro Anti-Disease Bio-Inoculant package which will put billions of good guys in your soil, protecting your plant.

- Rates:
- Turfgrass: 20 lb per 1,000 sq ft.
  - Ornamental: 20 lb per 1,000 sq ft. Repeat every 3 – 4 months
  - Building Beds: 40 lb per 1,000 worked into the soil
  - New Sod Installs: 20 lb per 1,000 sq ft

Sizes Available:  
40 lb • Ton 50/40 lb

MICROLIFE GRANULAR ORGANIC FERTILIZERS





## MicroLife Citrus & Fruit 6-2-4 All Organic Biological Fertilizer

All Citrus and Fruit

Use for:  

For years MicroLife Multi-purpose 6-2-4 has been the standard for Citrus and Fruit growers and still is. It is so important it is to grow your food all Organic. All the awesome minerals in MicroLife get transferred to your fruit so when you eat MicroLife grown food you get those critical minerals back. Chemically grown foods are devoid of crucial nutrition and have awful pesticide residuals.

For **MicroLife Citrus & Fruit** we decided to tweak it a little and asked the best brains in the business for their thoughts. In the end very little was changed from MicroLife Multi-purpose 6-2-4. All MicroLife products, granular and liquid are superior, best in class, for growing your foods and landscape plants.

What makes **MicroLife Citrus and Fruit** superior for your crops is the superb composition consisting of over 100 + nutrients, minerals, vitamins, natural plant hormones, natural plant stimulators, essential sugars/amino acids/carbon/protein and billions of beneficial microbes from 76 different species.

We get all this from using the following ingredients in the formula: Fish, Kelp, Emery Humates, Molasses, Bat Guano, Rock Phosphate, Wheat Middling's, Soy Meal, Cottonseed Meal, Alfalfa, Corn Meal, Kmag, Potassium Sulfate, Iron Sulfate, 18 select Amino Acids, Folic Acid, Vitamins, plus the MicroGro Supreme Bio-Inoculant package which contains billions of beneficial microorganisms including Endo & Ecto Mycorrhizal fungi. All ingredients are included in meaning amounts.

Rates:

Top dressing of Citrus & Fruit: 20 – 40 lb per 1,000 sq ft. Repeat every 3 – 4 months

Containers or individual Plants: 2.5 oz per 5 gal size. Repeat every 3 – 4 months

Building Beds: 40 lb per 1,000 sq ft worked into the soil

Sizes Available:

7 lb • 40 lb • Ton 50/40 lb



Organics is the story of nutrition. When you feed any organism; be it soil microbes, plants, animals, kids or us at the highest level, that organism hits it optimum level of performance and less problems ensue. And we know that problems are always expensive to take care of. With our line of quality liquid Organics you can quickly improve the health or any soil or plant by having MicroLife nutrition enter the plant through the leaves or the roots. Our liquids make a perfect complement to our granular Organics.





# MICROGRO BIO INOCULANT

## MicroGro Microbial Specifications

350 Billion Rhizobial CFU per lb plus 40,400,000 Mycorrhizal Fungi propagules per lb. representing 76 different species

### GENUS BACILLUS (46 species)

Bacillus azotofixans (3 strains): nitrogen fixation  
Bacillus azotoformans (3 strains): nitrogen fixation, plant growth hormones  
Bacillus megaterium (2 strains): decomposition, nutrient cycling  
Bacillus polymyxa (6 strains): nitrogen fixation, nutrient cycling, soil structure  
Bacillus thuringiensis (6 strains): anti-insect  
Bacillus licheniformis (6 strains): enzymes, plant growth hormones, soil structure  
Bacillus pumilis (3 strains): decomposition, nutrient cycling  
Bacillus subtilis (10 strains): decomposition, nutrients  
Bacillus firmus (2 strains): enzymes, growth stimulators  
Bacillus amyloliquefaceins (2 strains): Nematicidal  
Bacillus coagulans (3 strains): nutrients, enzymes

### GENUS PSUEDOMONAS (6 species)

Pseudomonas aureofaceans (2 strains): anti-fungal  
Pseudomonas putida (2 strains): anti-fungal  
Pseudomonas fluorescens (2 strains): nitrogen fixation

### GENUS STREPTOMYCETES (7 species)

Streptomyces lycidus (2 strains): anti-fungal  
Streptomyces griseus (3 strains): anti-fungal  
Streptomyces coelicolor (2 strains): anti-fungal

### GENUS TRICHODERMA (6 species)

Trichoderma harzianum (2 strains): anti-fungal, plant growth hormones  
Trichoderma hamatum (2 strains): nutrient cycling  
Trichoderma reesei (2 strains): anti-fungal, nutrients

### ENDOMYCORRHIZAL FUNGI (4 species)

Greatly extends root system of plants  
Glomus intraradices  
Glomus mossae  
Glomus aggregatum  
Glomus etunicatum

### ECTOMYCORRHIZAL FUNGI (7 species)

Greatly extends root system of plants  
Rhizopogon villosulles  
Rhizopogon luteolus  
Rhizopogon amylopogon  
Rhizopogon fulvigleba  
Pisolithus tinctorius  
Inoculants enhanced with super charged accelerator package consisting of select sugars, humic acid, kelp, amino acids and brewers yeast extract



## MicroGro Supreme Bio Inoculant Water Soluble Powder

**MicroGro Supreme Biological Inoculation goes in all MicroLife Granular Fertilizers. It is the most comprehensive, most complete, most powerful inoculant package available.**

Contains 76 different strains of beneficial bacteria and fungi including 11 different species of Mycorrhizal. All of this is placed on a dry milk carrier loaded with highly nutritious microbial food so they will rapidly grow. 350 billion Rhizobial CFU per lb and 40,400,000 Mycorrhizal propagules per lb.

Rates: 1 – 2 oz per 1,000 sq ft; 2.75 lb – 5.5 lb per acre

Size Available: 25 Lb



## MicroGro 'Root Protector' Bio Inoculant Water Soluble Powder

**MicroGro 'Anti-Disease' Biological Inoculation goes into our MicroLife Brown Patch 5-1-3 and our MicroGro Granulars. It is designed primarily to protect plants from soil pathogens but will also stimulate plant growth and root development.**

Contains 53 different strains of beneficial bacteria and fungi all with 'anti-fungal' properties. In addition to protecting the plant they also accelerate healthy growth. All of this is placed on a dry milk carrier loaded with highly nutritious microbial foods so they will rapidly grow in the soil. There are 52 billion

CFU's per lb that include the strongly effective microbes of Streptomyces, Trichoderma and Pseudomonas.

Rates: 1 – 2 oz per 1,000 sq ft; 2.75 lb – 5.5 lb per acre

Size Available: 25 Lb



## MicroGro Granular 'Root Protector'

**MicroGro Granular is an all-purpose Organic plant root protector to stop soil disease from destroying plants.**

MicroGro Granular uses the MicroGro 'Root Protector' Bio Inoculant placed on granular Humates mixed with microbial accelerators to provide an easy to apply Organic protector against soil disease. Inexpensive and provides long term plant root protection. Use as preventive or cure. The Humates further help by improving the soil to change the conditions that started the disease in the first place. MicroGro Granulars

is used extensively to fight Brown Patch, Take All Patch, at time of turfgrass installations and when installing flowers. Ideal to use when building beds and when planting food crops.

Rates: 5 – 10 lb per 1,000 sq ft

Sizes Available: 25 lb bag • Ton 80/25 lb

# MICROLIFE FERTILIZER SCHEDULE



We believe that healthy soils, healthy plants and healthy people are all connected. As such, we take great care in how we manufacture all of the MicroLife All Organic Biological Fertilizers. We make sure that all of our products have the highest nutrition value possible so that all soils, plants and people benefit.

TIME FRAME	PRODUCT	DIRECTIONS
<b>LAWN</b>		
<b>EARLY SPRING</b>	MicroLife Humate Plus	10 lb per 1,000 sq ft
<b>SPRING</b>	MicroLife 6-2-4 Or MicroLife Hybrid 20-0-5	20 lb per 1,000 sq ft  5 lb per 1,000 sq ft
<b>EARLY SUMMER</b>	MicroLife Humate Plus	10 lb per 1,000 sq ft
<b>SUMMER</b>	MicroLife 6-2-4 Or MicroLife Hybrid 20-0-5	20 lb per 1,000 sq ft  5 lb per 1,000 sq ft
<b>FALL</b>	MicroLife 6-2-4 Or MicroLife Brown Patch 5-1-3	20 lb per 1,000 sq ft  20 lb per 1,000 sq ft
<b>SHRUBS, PERENNIALS AND ORNAMENTALS</b>		
<b>EARLY SPRING</b>	MicroLife Humates Plus	10 lb per 1,000 sq ft
<b>SPRING</b>	MicroLife 6-2-4	20 lb per 1,000 sq ft
<b>SUMMER</b>	MicroLife 6-2-4	20 lb per 1,000 sq ft
<b>FALL</b>	MicroLife 6-2-4	20 lb per 1,000 sq ft
Every 30 days during the growing season foliar spray MicroLife Super Seaweed or MicroLife Ocean Harvest 4-2-3		
<b>AZALEAS, ROSES AND ALL PLANTS THAT WANT A LOWER PH</b>		
<b>EVERY 3 MONTHS</b>	MicroLife Azalea & Roses 6-2-4	20 - 40 lb per 1,000 sq ft
Every 30 days during the growing season foliar spray MicroLife Super Seaweed or MicroLife Ocean Harvest 4-2-3		
<b>NEW LANDSCAPE PLANTINGS, VEGETABLES AND FLOWER</b>		
<b>AT TIME OF PLANTING</b>	MicroLife Ultimate 8-4-6	40 lb per 1,000 sq ft worked into soil at time of planting. Reapply on top every 3 months.
<b>AT TIME OF PLANTING</b>	MicroLife Super Seaweed Or MicroLife Maximum Blooms 3-8-3	Water new plantings in well then foliar spray every 2 - 4 weeks well



## MicroLife Super Seaweed

Magnificent Plant Health Tonic and Root Stimulator

Use for:

This is a fast acting liquid nutritional spray to quickly beef your plants up and is very inexpensive to use. Spray all plants with it as much as you can to constantly pour the health on. It's like a super charge tonic for your plants. Plants readily absorb **Super Seaweed** through their leaves and roots. Plants become stronger with more beautiful color and more resistant to stress, pest insects and diseases. **Super Seaweed** is also an excellent root stimulator and new plant starter.

Superb liquid concentrated combination of Ecklonia Maxima Kelp, Fish Hydrolysate, Blackstrap Molasses, Humic Acid, Fulvic Acid, Select Amino Acids, Arcanite, Select Sugars and Tryptic Soy Agar (go-go juice for microbes) that gives your plants and soils over 100 + nutrients, minerals, natural plant hormones, natural plant stimulators, vitamins, carbon and protein. No heat is used during the manufacturing process to ensure purity of ingredients.

Those 100 + nutrients and minerals get into the plant and make the plant much stronger, more resistant to pest insects and disease.

**Super Seaweed** will not burn as is completely safe to use. All plants and soils love **Super Seaweed**.

Rates:

As a Root Stimulator: 1 – 2 oz per gal of water. Soak roots well

Foliar: 2 oz to a gal of water. Or by the 1,000 sq ft,

6 – 8 oz mixed with sufficient water.

Spray every 2 – 4 weeks

Sizes Available: Qt • Gal • 55 gal Drum • 275 gal Tote



Just Water

Water with MicroLife Super Seaweed

## MicroLife Ocean Harvest 4-2-3

Full Strength Multi-Purpose Organic Fertilizer

Use for:

The liquid version of our granular MicroLife 6-2-4. Some people call it 'Lazarus Juice' because of its restorative powers to plants. Use as a foliar nutritional spray, bio-stimulate, mineralizer, microbial enhancer and as a complete fertilizer. **Ocean Harvest 4-2-3** is fast acting as it is readily absorbed through the leaves and roots. Plants become stronger with more beautiful color and more resistant to problems of stress, pest insects and disease.

**Ocean Harvest 4-2-3** is expertly crafted using the ingredients of Fish Hydrolysate, Ecklonia Maxima Kelp, Blackstrap Molasses, Humic Acid, Fulvic Acid, Select Amino Acids, Arcanite,

Calcium Phosphate, Select Sugars and Tryptic Soy Agar (go-go juice for plants) that gives your plants and soils over 100 + nutrients, minerals, natural plant hormones, natural plant stimulators, vitamins, carbon and protein. No heat is used in the manufacturing process to ensure purity of ingredients.

**Ocean Harvest 4-2-3** will not burn and is completely safe to use. All plants love **Ocean Harvest**.

Rates:

As a Root Stimulator: 1 – 2 oz per gal of water. Soak roots well

Deep Root Feeding of Trees; 2 gal per 100 gal of water

Foliar: 2 oz per gal of water. Or by the 1,000 sq ft;

6 – 8 oz mixed with sufficient water. Spray every 2 – 4 weeks

Sizes Available:

Qt • Gal • 55 gal Drum • 275 gal Tote

# BE KIND TO YOUR WORLD



*Mueller Regional Development uses MicroLife*



*Shangri La Gardens uses MicroLife*

## MicroLife Liquid Maximum Blooms 3-8-3

For Popping Flowers and anything that Blooms, Blossoms or Buds

Use for:    



The 'Organic Super Bloom'. Clients call it 'Blooms in a Bottle'. This is another unique, high quality Organic product from MicroLife. We put in very select ingredients that will Pop•Pop•Pop blooms on plants. Via the Humic & Fulvic Acid delivery system contained in **Maximum Blooms 3-8-3** your plants get a full load of proper nutrition plus special bloom stimulators. The plant takes these ingredients and uses them to make more buds. More buds, more blooms all the Organic way. Blooming plants are heavy feeders so use throughout the blooming season. Primary way is to spray the leaves every 1 – 2 weeks. **Maximum Blooms** makes a great root stimulator too.

**Maximum Blooms 3-8-3** is precisely made using the ingredients of Fish Hydrolysate, Ecklonia Maxima Kelp, Blackstrap Molasses, Humic Acid, Fulvic Acid, Select Amino Acids, Arcanite, Calcium Phosphate, Select Sugars and Tryptic Soy Agar (go-go juice for plants) that gives your plants and soils over 100 + nutrients, minerals, natural plant hormones, natural plant stimulators, vitamins, carbon and protein. No heat is used in the manufacturing process to ensure purity of ingredients

**Maximum Blooms** will not burn and is completely safe to use. All flowers & veggies love **Maximum Blooms**.

Rates:

Foliar: 2 – 4 oz per gal of water. Or by the 1,000 sq ft; 6 – 8 oz mixed with sufficient water. Re-apply every 1, 2 or 4 weeks.

Root Stimulator or Root Feeding: 2 – 4 oz per gal of water. Soak roots well

Sizes Available:

Qt • Gal • 55 gal Drum • 275 gal Tote

## Planting a Garden

MicroLife Organic Fertilizer + Composted Top Soil + MicroLife Super Seaweed





## MicroLife Bio-Matrix 7-1-3

High Strength All Organic Fertilizer and 'Compost Tea'

Use for:    

**Bio-Matrix** is a totally one-of-a-kind fertilizer. We use plant and fish amino acids, other select organic ingredients and add 378,000,000 microbial CFU's per gallon representing 39 different microbial species. You get an incredible nutritional power punch along with a huge microbial inoculation. **Bio-Matrix 7-1-3** is excellent to use for all plants. **Bio-Matrix 7-1-3** has a very long shelf life for a liquid fertilizer/bio-inoculant (18 months). This and the use of amino acids makes **Bio-Matrix** completely unique.

The special one-of-a-kind **Bio-Matrix 7-1-3** is formulated using the following ingredients: Ecklonia Maxima Kelp, Potassium Humate, Calcium Phosphate, 21 different Amino Acids, a variety of Polypeptides, Natural Sugars, Enzymes and 39 different beneficial microorganisms. No heat is used during the manufacturing process to ensure purity of ingredients.

**Bio-Matrix 7-1-3** will not burn and is completely safe. All plants and soils benefit from using **Bio-Matrix 7-1-3**.

Rates:

Foliar: 2 oz per gal of water. Or by the 1,000 sq ft; 6 – 8 oz mixed with sufficient water.

Re-apply every 2 – 4 weeks

Root Feeding: 2 oz per gal of water. Soak root system well.

Deep Root Feeding of Trees: 1 – 2 gal per 100 gal of water. Inject on a 2.5' grid.

Sizes Available:

Gal • 55 gal Drum

275 gal Tote



## MicroLife Liquid Humates Plus

Fast Acting Plant and Soil Revitalization. Use for Stressed Turf, Sodic Soils, Compacted Soils, Stressed Plants and to Counter Bad Irrigation Water

Use for:  

**Liquid Humates Plus** (the liquid version of our granular **Humates Plus**) is used as a fast responding nutritional and rehabilitating agent for soils and plants, especially turf. This is a remarkable product and acts to counter the high salts and high pH in irrigation water. We developed this product in respond to Hurricane Ike and the terrible drought of 2011.

Because of its composition, **Liquid Humates Plus** will remediate salts from soils, bath the plants in rich nutrition, regenerate roots, feed the indigenous microbe's and improve water use efficiency. It's primarily designed to be applied to the soil but foliar applications will provide strong health benefits that stressed plants need.

**Liquid Humates Plus** is another proprietary formula of MicroLife and uses the following ramped up ingredients: Fermented extraction of special Humic/Fulvic Acids, Ecklonia Maxima Kelp, Mono and Poly Silica Acid, Blackstrap Molasses, Select Amino Acids, Select Sugars, Coconut Wetting Agent, Tryptic Soy Agar, Plant Hormones and Root Stimulators. No heat is used during the manufacturing process to ensure purity of ingredients.

**Liquid Humates Plus** will not burn and is completely safe. All soils and plants benefit from using **Liquid Humates Plus**.

Rates:

Soil conditioner (initial): 9 oz per 1,000 sq ft or 3 gal per acre mixed with sufficient water

Soil conditioner (subsequent): 6 oz per 1,000 sq ft or 2 gal per acre mixed with sufficient water

Soil drench or root stimulation: 1 – 2 oz per gal of water

Foliar nutrition: 1 – 2 oz per gal of water or 3 – 6 oz per 1,000 sq ft mixed with sufficient water

Sizes Available:

Gal • 55 gal Drum

275 gal Tote



## MicroLife Iron • Sea • Humus

When Plants need to be Green *Fast!* Use for Solving Plant Chlorosis or Faded Green Color.

Use for:  

This is a remarkable solid performer and a one-of-kind. Often a plant turns pale or yellow because of nutrient tie up. An application of MicroLife Humates Plus or MicroLife Azalea will solve that but it will take time. Yet the pressure is on to 'Green' the plant up quickly. This is where **Iron • Sea • Humus** really shines. Once applied foliar you will see a deep greening in 72 hours. **Iron • Sea • Humus** is much more advanced than regular spray on Iron. We combine Iron Sulfate with high quality Kelp, Humic Acid, and Fulvic Acid.

The results are deep greening agents for the plants, a complete mineralization and a rapid Humic/Fulvic delivery system. Often the chlorosis is not just Iron but other components as well and **Iron • Sea • Humus** covers all the bases to put the plant back in great health and color. With the addition of Kelp and Humic/Fulvic Acid you are giving your plant over 70 minerals, growth promoters and stress relievers. Note – This product like all products with Iron will stain surfaces so be careful when you spray.

**Iron • Sea • Humus** will not burn and is completely safe. All plants benefit from using **Iron • Sea • Humus**.

Rates:

Foliar: 2 – 4 oz per gal of water. Or 9 oz per 1,000 sq ft or 3 gal per acre both mixed with sufficient water.

Sizes Available:

Gal • 55 gal Drum • 275 gal Tote

## MicroLife Humic Acid Complex 15% – Humic Acid 10%/ Fulvic Acid 5%

Removes Salts and Toxics, Root Stimulation, Improves Soil Physical Properties, Pushes Soil More Fungal, Provides Minerals.

Use for:     

Humic/Fulvic Acid along with Kelp is a cornerstone of all things good, of all things Organic. Humic Acid (Humates) is carbon and carbon is the building block of all life. We put Humic/Fulvic Acid or Humates in all that we make as we believe it to be absolutely essential. Our Humic Acid Complex feeds the beneficial microbes that live in the soil and as those numbers increase we see soil re-structured for the betterment of plants.

**Humic Acid Complex 15%** also stimulates root growth, chelates minerals, promotes more efficient absorption of minerals by the plants through the roots and leaves, removes salts and toxics, pushes soils more fungal (reduction of weeds in turfgrass), provides over 47 minerals, loosens clay soils allowing more oxygen flow and in sandy soils tightens the aggregates together, increases the soil CEC (nutrient capacity) and buffers the pH. Very remarkable product and inexpensive to use.

**Humic Acid Complex 15%** will not burn and is completely safe. All plants and soils benefit from **Humic Acid Complex 15%**.

Rates:

Soil Conditioner: 3 – 6 oz per 1,000 sq ft or 1- 2 gal per acre mixed with sufficient water

Salt Remediation: Triple above rates, flush deep into soil and repeat in a week

Soil Drench or Root Stimulation: 1 – 2 oz per gal of water

Foliar: 1 – 2 oz per gal or 3 – 6 oz per 1,000 sq ft mixed with sufficient water

Sizes Available:

Gal • 55 gal Drum • 275 gal Tote



### MicroLife Molasses

Plant Energy, Microbial Food, Quick Plant Stimulation, Anti Pest Insect.

Use for: 

We love **Molasses** and put it in almost everything we make. **Molasses** is sugar, sugar is carbon and carbon is the building block of all life. We also have learned that **Molasses** will provide a quick stimulation to plants when applied during their growing season. It appears to work like this; plants use the sun for their photosynthesis process which makes their plant food (sugar). **Molasses** is a way to directly apply sugar to the plants which they absorb through their leaves and roots. And as the brix (sugar) level is increased you see less pest insect problems. This is particularly effective for fighting sucking pest insects.

**Molasses** also contains protein, B Vitamins and many minerals ie Potassium, Iron, Calcium, Magnesium, Copper. It gets better; Molasses is great food source for beneficial soil bacteria and will help remediate salts and toxics from the soil. And if you have pest insects that cycle in the soil like Fungal Gnats, Thrips and Mealy Bugs; **Molasses** will do a great job of wiping them out.

**Molasses** is will not burn and is completely safe. **Molasses** is good for all plants and soils.

Rates:  
For all Plant and Soil Applications: 1 – 2 oz per gal of water.  
Or 3 – 6 oz per 1,000 sq ft or 1 -2 gal per acre  
both mixed with sufficient water for uniform coverage.

Sizes Available:  
Gal • 55 gal Drum • 275 gal Tote

## ORGANIC CONTROL OF TURF WEEDS

Weeds grow where conditions favor their growth. If you have a lot of weeds, you have 'weedy soil'. Weeds like soils that are bacterial dominated, compacted, low minerals, minerals imbalance and high salts. Change the conditions that favor their growth and they will largely go away. One on the easiest, most inexpensive ways to do this is with **MicroLife Humates Plus**. **MicroLife Humates Plus** will push your soil more fungal (see pictorial below), add over 100 minerals, improve the soils physical properties, reduce compaction and remove salts. You'll also enjoy beautiful green turf with reduced water use.

### PLANT & MICROBE SUCCESSION



Lichen

Weeds

Grass

Forest

Bacteria .....→ Fungi

As we see, the more primitive the plant, the more bacterial that plant likes. Annual weeds are more primitive than perennial grasses. Using **MicroLife Humates Plus** will push the soil more fungal and thus reduce weed growth.



# ONLY ORGANICS SAVES YOU MONEY;

## CHEMICAL AG AND HORT PROGRAMS COST YOU MONEY

- That which correctly follows natural law will always be the most economical
- Only Organics correctly follows the laws of all science; the laws of biology, chemistry, physics, economics
- Organics is all about giving life forms proper nutrition. Any organism when properly fed will have the best chance to develop a healthy existence and will have fewer problems. Problems are always costly.
- With Organics you will not use chemical pesticides which are costly and dangerous
- Going Organic means less mowing and pruning costs as plants grow more natural
- Only Organics will save water use and costs, chemical programs never will

### ONLY ORGANICS SAVES WATER USE AND COST

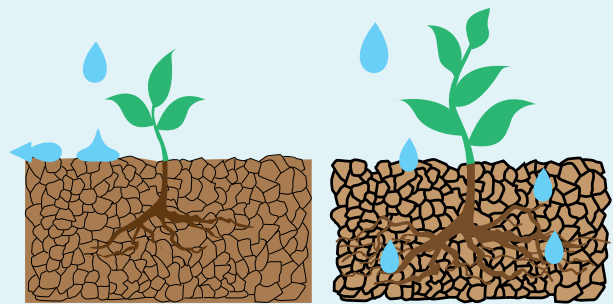
#### THE WATER EQUATION

50% is delivering water to the soil

50% is once water hits the soil, then what?



ORGANICS CREATES LIFE IN THE SOIL. THE BIOLOGY MAKES EACH WATERING LAST LONGER

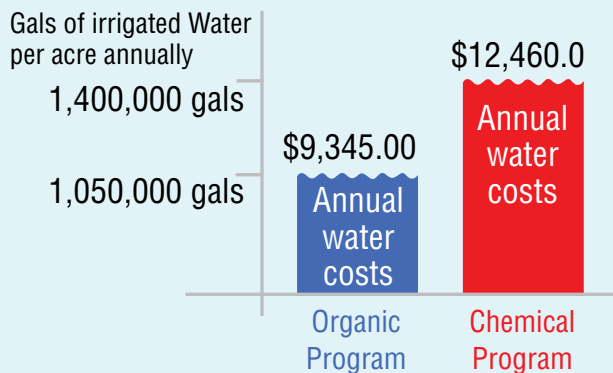


CHEMICAL SOIL

ORGANIC SOIL

### ORGANIC LAWN MAINTENANCE COSTS LESS THAN CHEMICAL LAWN MAINTENANCE

#### ANNUAL WATER COSTS



**Going Organic will save you \$3,000.00**

In reduced annual irrigated cost every year. The savings will go up as soil is further improved and the cost of water goes up.



# FREQUENTLY ASKED QUESTIONS

**Q:** HOW DID MICROLIFE COME INTO BEING?

**A:** San Jacinto Environmental Supplies, the parent company of MicroLife, started from scratch in 1984 as a new lawn and garden distributor. We were taught the 'chemical way' and were very good at selling the very chemicals we despise today. We quickly realize that the more chemical fertilizers we sold, the more chemical pesticides we sold to the same client. Huh? Something is wrong here. Isn't fertilizer supposed to make plants stronger and with less problems? That is when we discovered that chemical fertilizers are to plants that fast food are to humans ... junk and poisons. In 1986 we started our journey of learning true plant nutrition and that naturally led us to Organics. In 1988 we started manufacturing MicroLife with the intent then and the intent now ... to make the best plant and soil food in the world.

**Q:** MY DOG LIKES TO EAT MICROLIFE. WHY?

**A:** This is our number one question. Our theory is dogs like MicroLife because they know MicroLife is full of the nutrition they need. The list of ingredients MicroLife uses is similar to the list of ingredients that good quality animal food uses, including digestive enzymes. MicroLife is the only fertilizer used at The Houston Zoo and it has their Veterinarian Council seal of approval.

**Q:** WHY IS LITTLE WHITE FUZZ GROWING ON MY MICROLIFE PELLETS?

**A:** That is a good sign; it shows that MicroLife is biologically active. Each pellet of MicroLife is rich nutrition and coated with beneficial microorganisms. The fuzz is friendly microbes doing their job.

**Q:** DO I HAVE TO WATER MICROLIFE AFTER APPLYING?

**A:** MicroLife will not burn so you do not have to water. But watering MicroLife activates it.

**Q:** IS MICROLIFE SAFE AROUND CHILDREN AND PETS?

**A:** MicroLife is completely safe around all life forms.

**Q:** MICROLIFE IS MORE EXPENSIVE THAN OTHER FERTILIZERS, WHY?

**A:** We believe in feeding our soils and plants the highest nutrition possible. Read our label of ingredients. No other fertilizer includes what we do. Better quality, better results. In the long-run, MicroLife ends up being the cheapest fertilizer. MicroLife yields better plant health, more nutritious food, better soil health, fewer plant problems, reduces pesticide cost, is completely non-toxic, saves on mowing/pruning costs and reduces money spent on water.

**Q:** WHAT SHOULD MY BROADCAST SPREADER BE SET ON?

**A:** For MicroLife 6-2-4 set the spreader to wide open and walk moderately fast. For MicroLife Humates Plus open spreader 1/2 open and walk moderately fast. For MicroLife Hybrid open spreader 1/4 open and walk moderately fast.

**Q:** DOES MICROLIFE EVER GO BAD?

**A:** As long as you keep MicroLife dry it will keep indefinitely.

# OUR COMMITMENT TO YOU

## MARKETING RESOURCES

- **Making great products, always.** Top of the line, professional grade Organic fertilizers
- Beautiful and distinct packaging
- Attractive and engaging brochures, booklets, posters & banners
- **Radio advertising** in the Houston area on 740 AM with Randy Lemmon
- All retailers are specifically mentioned at [microlifefertilizer.com](http://microlifefertilizer.com)
- Active and growing social media presence, including a vast network of partners

## EDUCATION & TRAINING

- We love doing shows in and around Texas to build awareness
- **Training for your staff.** Have us come out anytime to visit with your folks. We'll even bring lunch

**We can conduct a variety of seminars at your place.** Some of our programs are –

- Basic Organic Program
- Soil Microbiology • Water Conservation with Organics
- Getting ready for summer
- Fighting weeds Organically
- Organic insect & disease control
- Why Organics? • The dangers of chemical pesticides



## STUMPED WITH A QUESTION?

We are available to you and your customers via telephone, email, web and Facebook.

MicroLife All Organic Biological Fertilizers are endorsed by Gardenline's Randy Lemmon!



# ORGANICS IS THE FASTEST GROWING TREND IN AMERICA



We started manufacturing MicroLife in 1988. It wasn't easy back then but we persevered because the use of Organics is vital and essential.

Organics to us is about mission over profits. We think it is critically important to convert the whole world to Organics and very quickly. As we see, read and observe on a daily basis it becomes 100% clear that the chemical way in agriculture and horticulture is just wrong. The chemical way is killing our planet and ourselves.

Organics always work because only Organics correctly follow the laws of all science; biology, chemistry, physics, economics and mathematics. Organics is really very simple, it is the study and application of sound nutrition. When an organism is fed to its best ability, that organism, be it microorganisms, plants, animals or humans, that organism develops to its best potential. Hence we have sound growth with a minimum of problems. Now that's sustainability. Best results with minimum input.

## WANT TO KNOW MORE ABOUT ORGANICS?



We Teach Organic  
Landscaping and Gardening

[ohbaonline.org](http://ohbaonline.org)

OHBA, [www.ohbaonline.org](http://www.ohbaonline.org), is an educational non-profit that produces outstanding Organic seminars throughout the year. We bring in the most exciting women and men from all over the country; the best scientists, economists, water managers, fertility experts, business owners and medical doctors to share their views on the 'Organic Way'. Come join us and be one of the amazing people helping our country get stronger.



SAN JACINTO ENVIRONMENTAL SUPPLIES

*MicroLife is manufactured by San Jacinto Environmental Supplies*