



Simply the best in the world!



HOW TO GO ORGANIC MANUAL

www.microlifefertilizer.com

YOUR REAL WORLD PRACTICAL GUIDE TO ORGANIC SUCCESS!

This manual is perfect for Organic Landscape Installations and Organic Grounds Maintenance programs of all property types; large or small, commercial or residential. This will fulfill all aspects in regards to 'Going Green', Eco-Friendly, Sustainable or Organic.

All of our products, observations and recommendations have been thoroughly battle tested for over 30 years in the tough growing conditions of Houston, Texas—extreme heat, extended droughts, poor soils, torrential downpours and high humidity.

Our Organic products and specifications have proven very successful on thousands of properties, producing incredibly beautiful plants, greatly reducing problems, providing healthier living environments, enhanced water savings and an overall reduction in operating costs.

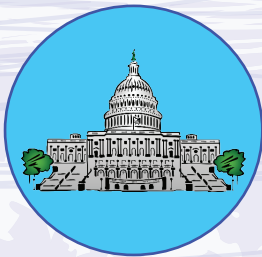
WHY GO ORGANIC?

- It's safe
- Scientifically correct
- Follows natural law
- Creates & maintains true natural health
- Preserves resources
- Economically the most feasible
- The right thing to do
- The best way to grow all plants



**IT'S THE GREATEST
HOPE FOR HUMANITY!**

4 HUGE FACTORS PUSH THE MOVE TO ORGANICS...



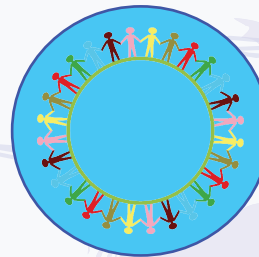
GOVERNMENT

Globally governments are deeply concerned about depletion of needed resources. The Earth, based on current consumption, can sustainably handle a population of 2.5 billion. We are presently at 9 billion and growing.



BUSINESSES

Greater recognition that the environment has a huge value estimated to be worth 120 trillion dollars annually. Clean air, clean water, clean soil, healthy fisheries, ozone protection, eco-tourism, the list goes on.



INDIVIDUALS

People are working together to save our home, Earth. 112 million Americans now call themselves 'Pro Environment'. Organics is the Hottest Trend in America!



SAFETY

Chemical pesticides annually kill 20,000 people, poison 69,000 children & responsible for 30-40% of dogs & cats deaths. Plus chemical pesticides are known to directly cause cancer & exposure leads to a permanent drop in intelligence.

DESTROYING THE ORGANIC MYTHS



"ORGANICS ARE MORE EXPENSIVE THAN CHEMICALS."

FALSE – Organic programs costs less than the chemical approach. That's because quality Organic fertilizers are a superior food source compared to chemicals. With quality Organic fertilizers your plants are getting much higher nutrition than with chemical fertilizers. That will translate into healthy plants, easier maintenance and less resources used.

"ORGANICS TAKE TOO LONG TO WORK."

FALSE – Right away quality Organics start healing and strengthening plants and soils. The longer a property stays Organic the easier it gets. If a property is converting from chemical use or is in poor health it can take additional time. It's like you deciding to run a marathon, each training day gets you stronger and stronger and by the time the race starts you will be in superior health.

"CHEMICAL PROGRAMS PRODUCE BETTER RESULTS THAN ORGANICS."

FALSE – The scientific data compiled with three decades of extensive Organic history documents that a well put together Organic program out produces chemical programs & costs less.



A WORD ABOUT COSTS...

It's not just about the immediate costs of Organic fertilizers vs chemical fertilizers but also all the other costs associated with chemical programs. The chemical approach carries many costs for which we all pay for. Just a few examples; Contamination of our fresh water supplies, destruction of our critical fisheries, direct links to major human diseases such as cancer and mental illnesses.

ORGANIC PROGRAM GUIDELINES

- 1. DESIGN**
- 2. SOIL HEALTH**
- 3. MAINTENANCE**
- 4. WATER MANAGEMENT**
- 5. NUTRITION**
- 6. PROBLEM SOLVING**



DESIGN

The goal is for our landscaped areas to be places of beauty, tranquility and low maintenance. The design needs to be thoughtfully put together which means using native plants, thoughtful plant placing, good drainage, an efficient irrigation system and buying good quality Organic fertilizers, amendments and soils.

SOIL HEALTH

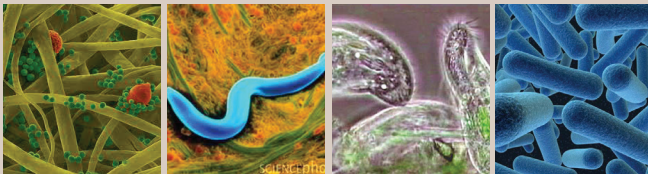
Organic programs improve soils and strengthen plants.
Chemical programs destroy soils and weaken plants.

"A NATION THAT DESTROYS ITS SOIL DESTROYS ITSELF"

- Franklin D. Roosevelt

The Organic approach recognizes that our soils need an infinite number of individual life forms called microorganisms.

We want large numbers of these guys in our soil.



Bacteria

Fungi

Protozoa

Nematodes

Look at the contents that one teaspoon of healthy soil will contain



930,000,000 Bacteria
1 mile of Fungal Hyphae
100,000 Protozoa
500 Beneficial Nematodes

The vast majority of these life forms are good guys and the plants have a symbiotic relationship with them.

When we have a thriving culture of microbes we get enhanced plant growth and conservation of resources.

The microbes will **self manufacture** plant fertilizers, natural insecticides, biological fungicides and suppress weeds all to the benefit of the plants.

The beneficial microbes are easy to grow in your soils. They just need Oxygen, Carbon and Minerals.

What hurts their existence are chemical pesticides and chemical fertilizers. The chemical approach assumes that microbes are unimportant, and pushes cheap, high salt fertilizers. These high salt fertilizers destroy soil microbes which then predicate the need for chemical pesticides because the plants no longer have a functioning immune system.



The nutrition derived from chemical fertilizers can be compared to the nutrition that humans get from fast food.

FYI most chemical a salt index of 99.9%. Any salt index of 69.0% is considered injurious to plants.

Organic programs are geared to maximize **soils & plants health**.

SOIL CHEMISTRY

Soils are made up of mainly minerals, with space for air and water. How we manage our nutrients will affect soil structure, plant performance and soil microbiology. When you can it is best to start with an Albrecht Soil Test to determine a baseline and add the appropriate amendments to correct deficiencies.

SOIL BASICS

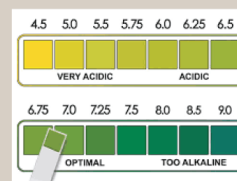
By doing this, your soil will have greater nutrient availability, improved soil structure and greater microbial growth potential.

3%-5%

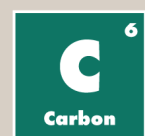


5:1
ratio

pH between
6.0-7.0



Regularly add



+ rich array of
minerals

ORGANIC MAINTENANCE

THE GOAL: HEALTHY SOILS, HEALTHY PLANTS, HEALTHY PEOPLE.



When a biological system is healthy, less resources are needed to maintain that system. That which is biologically correct is always the most economical. Basically, why fight nature? **Work with mother nature, not against it.** It is much saner and easier to work with the biological systems that have been in place for millions of years. We know that Organic Landscape and Gardening provide us with many benefits that chemical programs cannot. Just to name a few...

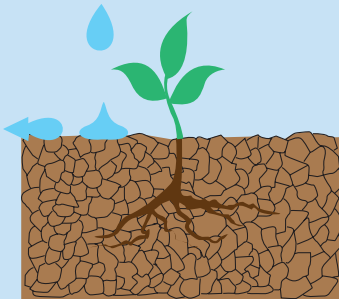
- 1) Much less water is used & is not polluted
- 2) Plant are fed the highest form of nutrition, so we have greater beauty & yields
- 3) Plants grow more symmetrically so there is less mowing & pruning
- 4) Plants are healthier so less pesticides are needed
- 5) There are no human or animal health illness caused by Organic exposure
- 6) Less plant replacements

We see for many reasons on just an economical level that it makes good dollars and sense to go Organic. Build your landscape & garden right the first time and use good quality Organics through out.

WATER MANAGEMENT

WATER COSTS ARE DOUBLED UNDER CHEMICAL CARE

Chemical fertilizers do not improve soil structure, Organics do! By going Organic we can save \$3,000 per year in water costs & that's after the Organic fertilizers have been paid for. Here's how it works...



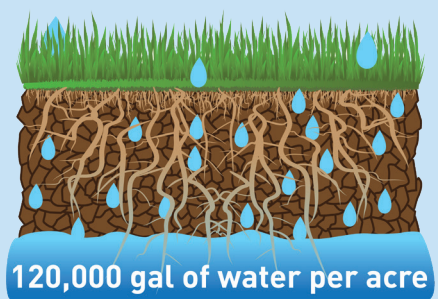
CHEMICAL SOIL

- Tight Soil
- Low Infiltration
- Low Stored Water
- Small Roots



ORGANIC SOIL

- Friable Soil
- High Infiltration
- More Stored Water
- Bigger Roots



120,000 gal of water per acre

SOIL AS YOUR WATER RESERVOIR

Soil with 3% Organic Matter 18" deep will hold 120,000 gal of water per acre

One major benefit by going Organic is a huge reduction in water use. Quality Organic fertilizers & amendments will improve the soils' water infiltration rate, the soils' water holding capacity & the plant root mass size as seen in the figures above.

To further maximize healthy plant growth & to conserve water it is critical to have an efficient irrigation design & installation. It is very important to have cohesive irrigation schedules & correct run times based on the soils' water infiltration rates.

ORGANIC NUTRITION

**For all life forms to achieve optimum health, they need
the maximum amount of nutrition possible.**

Only quality organics will provide full nutrition. Plants start out stronger on an Organic program & are easier to maintain. By working with the beneficial soil microorganisms, Organics will improve all soils & correctly feed the plants at the same time.

PLANTS NEED AT LEAST 52 MINERALS TO BE HEALTHY



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					

Chemical fertilizers provide at most 7 minerals

MicroLife Organic Fertilizers provide over 100 minerals!



HEALTHY SOILS, HEALTHY PLANTS, HEALTHY PEOPLE



Eating Organic Foods reduces cancer risk by 25%
4 year study, involving 70,000 participants
published by JAMA Internal Medicine

“Organic foods must be a matter of public policy”
- European Parliament

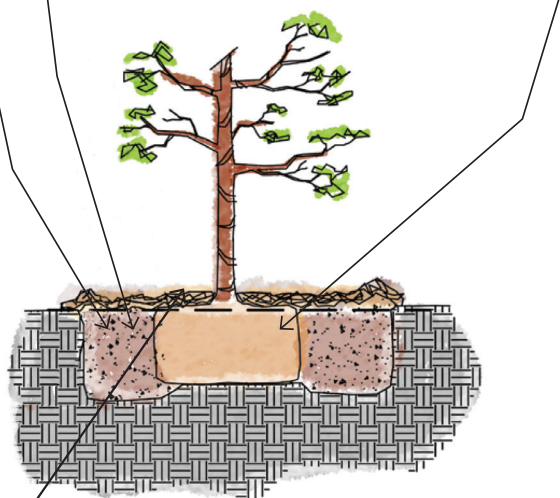
MICROLIFE INSTALLATION SPECIFICATIONS

TREE SPECIFICATIONS

For every 15 gal. size, add 6 oz. **MicroLife Ultimate 8-4-6** and one package of **JRM Tree Transplant**

Add quality fungal compost to mix with backfill material

Water plants thoroughly with **MicroLife Ocean Harvest**



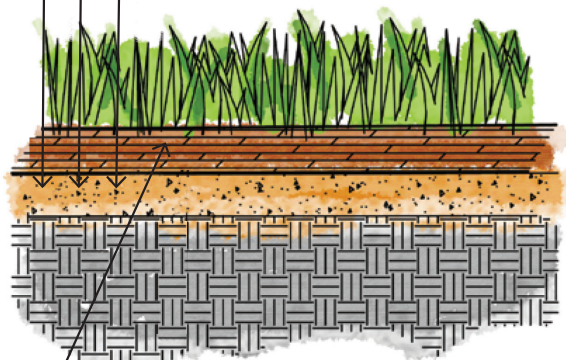
Top dress with Native Aged Hardwood Mulch

TURFGRASS SPECIFICATIONS

Apply 20 lb of **MicroLife 6-2-4** per 1,000 sq ft on top of soil prior to laying sod

Apply 10 lb of **MicroLife Humates Plus 0-0-4** per 1,000 sq ft on top of soil prior to laying sod

Apply 1/4" layer of high quality compost over the planting area prior to laying sod



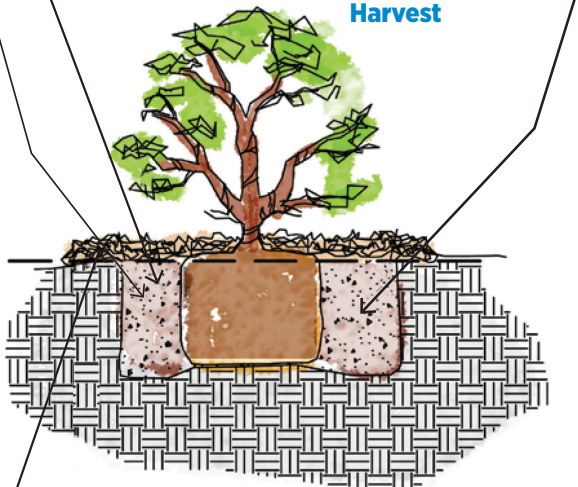
Water new sod thoroughly with **MicroLife Super Seaweed Root Stimulator**

ORNAMENTAL SHRUBS & PERENNIAL SPECIFICATIONS

For every 5 gal. size, add 2 oz. **MicroLife Ultimate 8-4-6**

Add high quality compost to mix with backfill material

Water plants thoroughly with **MicroLife Ocean Harvest**



Top dress with Native Aged Hardwood Mulch

FLOWERS & VEGETABLES SPECIFICATIONS

Add 4 lbs. of **MicroLife 8-4-6** per 100 sq.ft. worked in to soil 3". Reapply every 90 days

Plant in a soil that contains aged compost and washed sand



Water plants thoroughly with **MicroLife Maximum Bloom 3-8-3 Liquid Nutrition**. Foliar Spray every 2 weeks

Top dress with Native Aged Hardwood Mulch

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.

LAWN

SPRING	MicroLife 6-2-4 And MicroLife Humates Plus 0-0-4	20 lb per 1,000 sq ft 10 lb per 1,000 sq ft
SUMMER	MicroLife 6-2-4 Or MicroLife Hybrid 20-0-5 And MicroLife Humates Plus 0-0-4	20 lb per 1,000 sq ft 5 lb per 1,000 sq ft 10 lb per 1,000 sq ft
FALL	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

SHRUBS, TREES, PERENNIALS AND ORNAMENTALS

SPRING	MicroLife Humates Plus 0-0-4 And MicroLife 6-2-4	10 lb per 1,000 sq ft 20 lb per 1,000 sq ft
SUMMER	MicroLife 6-2-4	20 lb per 1,000 sq ft
FALL	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

AZALEAS, ROSES AND ALL PLANTS THAT WANT A LOWER PH

EVERY 3 MONTHS	MicroLife Acidifer 6-2-4	20 - 40 lb per 1,000 sq ft
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Every 30 days during the growing season foliar spray MicroLife Super Seaweed or MicroLife Ocean Harvest 4-2-3

FLOWERS AND VEGETABLES

EVERY 3 MONTHS	MicroLife Ultimate 8-4-6	40 lb per 1,000 sq ft
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Every 14-30 days foliar spray MicroLife Maximum Blooms 3-8-3

PEST INSECTS

As mentioned earlier **going Organic will make your life easier and you will have much less problems.** We have a large history of Organic projects that use very little or no pesticides because there is no need. The plants become so healthy that they naturally resist the pests themselves. And you will have beneficial insects and beneficial microorganisms working on your behalf as well.

It must be noted that 99.9% of all the insects in the world are considered beneficial or benign. A few pest insects like fleas, roaches, fire ants, etc give the rest guilt by association. For example, wasps do not want to hurt humans and wasps are aggressive predators of destructive worms and caterpillars. Avoid mass spraying of pesticides, encourage the good insects to live in your eco-system and you will be rewarded with a lot less pest insects.

A proactive approach that discourages pest insects from setting up shop on your plants will be to foliar spray your plants with a combination of Super Seaweed and Garlic Oil once a month during the growing seasons. Foliar spray this mixture to the point of heavy drip. Note - Garlic will discourage pollinators.

If you do have a pest that needs to be taken care of quickly there are many fast acting, effective Organics easily available. Here's a major bonus – **Organics are much safer to be around then the persistent chemicals.** This is highly important to you, your clients, children, pets and your workers.

ORGANIC REMEDIES:



SOFT BODIED INSECTS (Aphids, Mites, Thrips, White Flies, Lace Bugs, etc)

- Use one of the following; Neem Oil, Orange Oil, or Pyrethrin

SCALE

- Harder to kill because of their armoring. Use 2 oz of Orange Oil mixed with 1 oz of Neem Oil to a gallon of water. Spray weekly for 3 weeks.

CATERPILLARS, ARMY WORMS, SOD WEBWORMS

- Use Bacillus Thuringiensis (BT) biological agent.

STINK BUGS & BEETLES

- Pyrethrin mixed with Canola Oil.

CHINCH BUGS & SOD WEBWORMS

- Occurs when St. Augustine is hot, dry & stressed. Water well during the hot, dry months. Use EcoSMART Granular if there is a problem. Then spray MicroLife Soil & Plant Energy for quick grass recovery.

FLEAS & TICKS

- Spread EcoSMART Granular and/or spray Orange Oil in needed areas.

SLUGS & SNAILS

- Use Sluggo (Iron Phosphate)

FIRE ANTS

- By going Organics you will see a big drop in Fire Ant activity. To control use a two prong attack.
 1. Use any Fire Ant bait you like 2 times a year
 2. Use 6 oz of Orange Oil to a gallon of water and drench the mound

MOSQUITOES

- Spray Garlic Oil all around the area. Spray shrubs, turfgrass, ground cover, deck, building walls, fence, etc.

DISEASE

Most bacteria and fungi are beneficial. **All diseases are caused by either malnourishment, stress or a combination of both.** The use of chemical fungicides causes more problems because they kill everything; the good microbes & the bad microbes, leaving a vacuum & doesn't get to the root cause. It is much better to improve your soil, manage your watering & to apply biological fungicides.

ORGANIC REMEDIES:

LEAF SPOTS & POWDERY MILDEW

- Use Bio Matrix 7-1-3, Super Seaweed or Compost Tea as a preventive. Foliar spray Neem Oil if there is a problem.

BLACK SOOTY MOLD

- Caused by pest insect excretion. First eliminate the pest insect then spray Orange Oil on the leaves. It won't disappear right away but it will over a short time.

SOIL DISEASES – Brown Patch, Pythium, Fusarium, Phytophthora, Take All Patch

- Always caused by over watering and lack of Oxygen around the root systems. Use MicroGro Biological Granulars prior to a problem i.e. at time of planting or on turfgrass before the disease season starts. If disease is present apply MicroGro and water in with Bio Matrix 7-1-3.



WEEDS

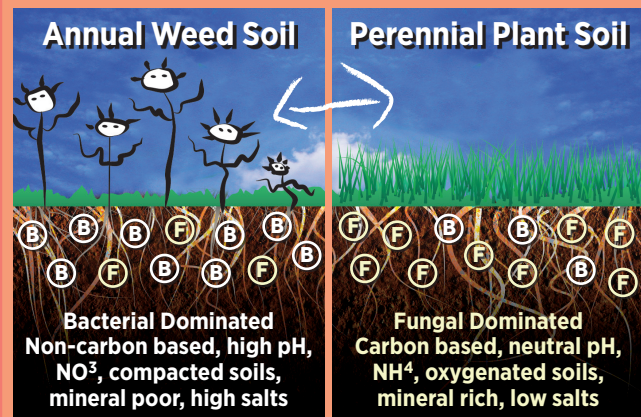
CONTROLLING WEEDS ORGANICALLY WILL NOT BE A BIG PROBLEM EITHER. JUST REMEMBER...

- ✓ View all weeds as indicators. They are growing because the environment favors their growth i.e. compacted clay soils, over-watering, poor soil minerals, excess salts.
- ✓ Chemical fertilizers & chemical herbicides push the soils to grow weeds by causing mineral & microbial imbalances that favor weed growth.
- ✓ Chemical companies try to sell us on having a 100% weed free mono-culture lawn. Mono-culture is not natural in nature. One high profile chemical company tells us that 'clover deliberately wants to disrespect us'. Really, who would actually buy into that? Besides clover is a pretty plant & provides Nitrogen to the turf grass.
- ✓ Chemical herbicides are poisons & are dangerous. They are hazardous to human & animal health, pollute our waters & weaken our plants.
- ✓ Manage expectations. Don't expect miracles overnight but with a good determined strategy you can grow beautiful landscapes without poisoning your land.

ORGANIC REMEDIES:

- Apply **MicroLife Humates Plus** at least once a year to push your soils more fungal. Weeds like bacterial dominated soils.
- Only use good grade Organic fertilizers like MicroLife because they will correct 'weedy soils'.
- Mulch beds only with Aged Hardwood Mulch.
- **Mirimichi** - use to kill a large variety of broadleaf & grassy weeds. Non-selective & very impressive. This product works very quickly, even in cold weather.
- **20% Vinegar** - use to kill broadleaf & grassy weeds. Non-selective.
- **Agralawn** – very effective for small areas, not practical for large areas. Kills annual broadleaf & grassy weeds yet safe for turf areas.
- **Torch Guns** work great and they are fast. All men love this way to kill weeds.

An abundance of weeds tell you that you have primitive soil with these characteristics:



PRODUCT GUIDE

For more complete descriptions please go to www.microlifefertilizer.com

ORGANIC FERTILIZERS, NUTRITION & BIOLOGICAL AMENDMENTS



MicroLife 6-2-4 All Organic, Biological Fertilizer

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

Homogenized and granulated, 100 + nutrients, natural plant stimulators and hormones. Plus billions and billions of beneficial soil microbes including Mycorrhizal fungi.

Sizes available: 7 lb • 40 lb • Ton



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

New installations, Top dressing of Ornamentals, Flowers and Food Crops

Meal form for quick response. Contains extra rock minerals and Humates plus all the MicroLife goodness. Inoculated with billions and billions of beneficial soil microbes including Mycorrhizal fungi.

Sizes available: 7 lb • 40 lb • Ton



MicroLife Acidifier 6-2-4 All Organic, Biological Fertilizer

Azaleas, Camellias, Roses and all Acid Loving Plants

Made to the MicroLife standards but with extra Sulfur for acidity and Humates for a rich Organic environment. Produces spectacular results. Inoculated with billions and billions of beneficial soil microbes including Mycorrhizal fungi.

Sizes available: 7 lb • 40 lb • Ton



MicroLife Citrus 6-2-4 All Organic, Biological Fertilizer

All Citrus and Fruit

We called on the best brains in the Houston area for their knowledge of Citrus and Fruit nutritional needs and came up with MicroLife Citrus 6-2-4. It starts with our flagship MicroLife 6-2-4 then we changed the nutritional profile slightly to target address all Citrus and Fruit. Contains our bio inoculant package.

Sizes available: 7 lb • 40 lb • Ton



MicroLife Humates Plus 0-0-4 All Organic, Biological Fertilizer

All Turfgrasses and Ornamentals

Especially designed for all turfgrasses. An amazing array of Nitrogen fixing bacterium, Humates, Potassium, Kelp, sugars, wetting agent, 100 + minerals with billions and billions of beneficial microbes including Mycorrhizal fungi.

Sizes available: 9 lb • 40 lb • Ton

ORGANIC FERTILIZERS, NUTRITION & BIOLOGICAL AMENDMENTS



MicroLife Hybrid 20-0-5 All Organic Fertilizer

All Turfgrasses, Ornamentals and Containers

MicroLife Hybrid uses Nutralene as the Nitrogen source. Nutralene is considered a synthetic Organic because of its covalent carbon bond that benefits soil microbes. This product will help people who want to 'Go Green' but are watching costs. Contains our powerful bio inoculant package.

Sizes available: 20 lb • 50 lb • Ton



MicroLife 'Brown Patch' 5-1-3 All Organic, Biological Fertilizer

Turfgrasses and all plants prone to disease

A combination of MicroLife Fertilizer and a specialized biological inoculant/fungicide. You can fertilize, restore soil health and fight soil diseases all at the same time. Contains very specialized anti-disease microorganisms.

Sizes Available: 7lb • 40 lb • Ton



MicroLife Mycorrhizal Plus

Start 'Em Right

Probiotics that accelerate all plants and improve all soils. Contains 11 different species of Mycorrhizal and 65 different species of beneficial microorganisms all blended with the power houses of Humates, Kelp, Molasses, and Yucca.

Sizes available: 9lb



MicroLife Soil & Plant Energy

Jazz Up Your Soils and Plants

Incredible liquid concentrate that powers up all soils and plants. A carefully balanced combination of Humic Acid and Molasses to provide essential energy to all soil and plants.

Sizes available: Qt



ORGANIC FERTILIZERS, NUTRITION & BIOLOGICAL AMENDMENTS



Super Seaweed Liquid 0-0-.03 Bio/Root Stimulant & Mineralizer

Plant Health Tonic for All Turfgrasses, Ornamentals, Flowers, and Veggies

Primarily cold processed Ecklonia Maxima Kelp with Blackstrap Molasses, Humic Acid, Fulvic Acid and Fish Hydrolysate. Excellent source of minerals, vitamins, plant stimulators, sugars and plant hormones. Use as foliar spray and as root stimulator.

Sizes available: Qt • Gal • 55 gal drum



Ocean Harvest 4-2-3 Liquid Organic Fertilizer & Bio-Stimulant

Foliar Nutritional Spray for All Plants

Superb combination of Fish Hydrolysate, Ecklonia Maxima Kelp, Blackstrap Molasses, Humic Acid and Fulvic Acid. Outstanding plant food, mineralizer, microbe enhancer and root stimulator. Smells great too! Highly concentrated.

Sizes available: Qt • Gal • 55 gal drum



Maximum Blooms 3-8-3 Liquid Organic Bloom Producer

Flowers and anything that Blooms, Blossoms or Buds

‘Blooms in a Bottle’. Specially formulated to enhance flower production on annual color plants. Best to use in conjunction with granular application of a MicroLife Fertilizer. Spray monthly during the blooming cycle.

Sizes available: Qt • Gal • 55 gal drum



Bio Matrix 7-1-3 Liquid Organic Fertilizer & ‘Compost Tea’

Compost Tea in a Bottle

High strength liquid Organic fertilizer with stabilized microbial inoculation. Contains Organic Amino Acids, Kelp, Humic Acid and 39 strains of beneficial soil and plant microbes. Use as foliar fertilizer, fertigation, supplement and/or plant enhancement.

Sizes available: Gal • 55 gal drum



Humic Acid Organic Concentrate

Liquid carbon for plants and soils

This is the liquid extract of our Granular Humates and naturally contains Iron, Sulfur plus 61 micro-nutrients. Excellent for restoring soil health and for chelating and plant nutrients.

Sizes available: Gal • 55 gal drum



Molasses Liquid Organic Concentrate

Plant Energy, Microbial Food, Quick Plant Stimulation

This is a simple and remarkable product that serves multiple functions. Molasses will provide Nitrogen, Potassium, Sulfur and Iron and trace minerals. More importantly though it will provide positive energy to plants and soils plus discourage pest insects.

Sizes available: Gal • 55 gal drum



Neem Oil 70%

Non-selective botanical extract from the Neem tree. Neem Oil not only kills most soft bodied insects but also acts as a repellent to guard against future outbreaks.

Sizes available: 32 oz RTU • Pint • Gal



EcoSMART Granular

A new type of Organic insecticide. Uses essential oils to kill and repel soil pest insects like chinch bugs, fleas and all ants. Completely safe around children and pets.

Sizes available: 10 lb bag



Orange Oil

Essential extracted oil from cold pressed orange peels. Non-selective and is effective against soft bodied insects including fleas and ants plus armored insects like scale. Great repellent against roaches, spiders and scorpions.

Sizes available: Qt



Natural Oil

Horticultural Oil with emulsifiers. Will not burn even in summer. Use on all soft bodied insects.

Sizes available: Gal • 55 gal drum



Bacillus Thuringiensis (B.T.)

Specific biological agent to control destructive worms and caterpillars. Does not harm other insects.

Sizes available: Pint • Gal



Mosquito Barrier

Drives mosquitoes out of your area for 3 – 4 weeks. Repels other pest insects as well. Plus puts you in the mood for an Italian festival.

Sizes available: Qt Concentrate • Gal Concentrate



Garlic Barrier

100% Garlic Oil. Ideal to mix with our Super Seaweed. Use to repel most pest insects from setting up home on plants. Great for moving mosquitoes off properties as well.

Sizes available: Gal Concentrate

ORGANIC DISEASE CONTROL



Neem Oil 70%

Leaf Diseases

Botanical extract from the Indian Neem tree. Very effective against leaf diseases like mildews, leaf spots and anthracnose.

Sizes available: Pint • 32 oz RTU • Gal



Complete Disease Control

Leaf Diseases

Utilizes live bacteria, *Bacillus Amyloliquefaciens* to fight the leaf diseases.

Sizes available: Pint • 32 oz RTS • Gal



Bio Matrix 7-1-3

Leaf Diseases

The live microbes in this stabilized compost tea suppresses and eliminates destructive leaf diseases. Use as a preventive or cure.

Sizes available: Gal • 55 gal drum



MicroGro Granulars

Soil Diseases

Use MicroGro Granulars as a preventive or when there is a problem. MicroGro Granulars contain 63 different aggressive 'Anti-Disease' microbial species on a Humate carrier. You will see enhanced plant growth as well.

Sizes available: 9 lb • 25 lb bag • Ton

ORGANIC HERBICIDES



Mirimichi

Use to kill a large variety of broadleaf and grassy weeds, non-selective. Very impressive, we have seen great results on a large selection of weeds. The active ingredient is Ammonium Nonanoate. Very safe for you and the environment.

Sizes available: 32 oz RTU • 2.5 gal concentrate



20% Vinegar

Use to kill broadleaf and grassy weeds, non-selective. 20% Vinegar works by shocking the plant and burning foliage. Sometimes 2-3 applications is needed for older weeds.

Sizes available: Gal



AgraLawn

Selective post emergent herbicide that works faster and better than chemicals. Made of cinnamon, cumin, baking soda and flour.

Sizes available: 2 lb • 4 lb • 50 lb



MicroLife Humates Plus 0-0-4 All Organic, Biological Fertilizer

This soil amendment is not a herbicide at all, but changes the soil so less weeds grow.

Sizes available: 9 lb • 40 lb • Ton

GROW EASIER.
GROW BETTER. CREATE A BETTER EARTH.
GROW ORGANIC!



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