



MicroLife™

ALL BIOLOGICAL ORGANIC FERTILIZERS

Simply the best in the world!

HOW TO GO ORGANIC MANUAL

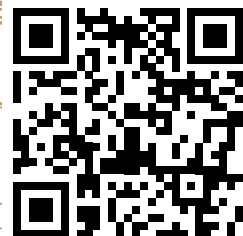


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Wholesale to the Professional Trade Only



The 'Organic How to Manual' with Product Guide



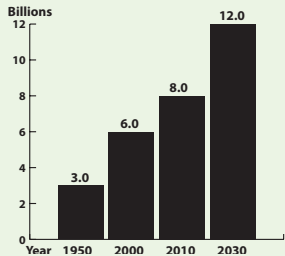
Recycle, Reduce, Reuse



Always buy Organic



Get involved locally & globally



The population numbers keep growing



We need 4 Earths to handle our present consumption



Chemical Pesticides are dangerous

This is a real world practical guide to successful Organic Landscape Installations and Organic Grounds Maintenance programs for all types of properties; large or small scale, commercial or residential. This manual will fulfill all aspects in regards to 'Going Green', LEED, Eco-Friendly, Sustainable or Organic.

All of our products, observations and recommendations have been thoroughly battle tested for 26 years in the Houston, Texas region. Our region has extreme heat, extended droughts, poor soils, torrential downpours and high humidity. Tough growing conditions. But our Organic products and specifications are very successful on thousands of properties. By that we mean incredibly beautiful plants, greatly reduced problems, healthier living environments, enhanced water savings and an overall reduction in operating costs.

Why Organic?

- It's the right thing to do
- It's scientifically correct
- It's safe
- It creates and maintains true health
- It preserves resources
- It's the best way to grow all plants
- It's economically the most feasible

Organics is a choice. We choose to be smarter, healthier and wealthier.

There are 4 huge factors that are pushing the move to Organics.

1) Government – Governments globally 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 8 billion and growing.

2) Businesses – Greater recognition that the environment has a huge value that is estimated to be worth 175 trillion dollars annually. Clean air, clean water, clean soil, healthy fisheries, ozone protection, eco tourism are just a few examples.

3) Individuals – There is a strong of coming together to save our home, Earth. 75 million Americans now call themselves 'Pro Environment'.

4) Safety – The vast amount of scientific and medical date that shows how dangerous chemical pesticides are. Chemical pesticides every year kill 20,000 people, poison 69,000 children and are responsible for 30 – 40% of dogs and cats dying. Plus chemical pesticides are known to directly cause cancer and exposure leads to a permanent drop in intelligence.

Destroying the Organic Myths

● Common Statement – 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 more nutrition than with chemical fertilizers. That will translate into healthier plants, easier maintenance and less resources used.

● Common Statement – 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. We recommend that you make an agreement with your client or yourself to give an existing chemical property 3 years to d-toxicify in order to restore proper health. 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.

● Common Statement – 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 and 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 metal illnesses.

An Organic Program has the following components balanced together.

- Design
- Sustainable Maintenance
- Soil Health
- Water Management
- Organic Nutrition & Specifications
- Organic Problem Solving

The Design



The design needs to be thoughtfully put together with the future in mind. It is not just how it looks after the install but the subsequent maintenance that follows. Many projects become areas of frustration and expense instead of areas of joy because of poor design and plant selection.

The goal is for our landscaped areas to be places of beauty, tranquility and low maintenance. This means using the correct plants for the site, good drainage, an efficient irrigation system and buying good quality Organic fertilizers, amendments and soils.

Sustainable Maintenance

The goal is healthy soils, plants and people. When a biological system is healthy fewer resources are needed to maintain that system. That which is biologically correct is always the most economical. Basically, why fight nature? It is much saner and easier to work with the biological systems that have been in place for billions 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 and the water is not polluted
- 2) Plant are fed better Organically so we have greater beauty and yields
- 3) Plants grow more symmetrically so there is less mowing and pruning
- 4) Plants are healthier when grown Organically so less pesticides are needed
- 5) There is 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.

Soil Health

'A nation that destroys its soil destroys itself'

– Franklin D. Roosevelt



Organic programs by nature improve soils and strengthen plants. Chemical programs by nature destroy soils and weaken plants. Those two statements pretty much sum everything up. As opposed to the chemical approach, the Organic approach recognizes that our soils should have an infinite number of individual life forms called microorganisms. Therefore in Organics we always seek to increase their health and numbers. The families of microorganisms (microbes) consist of bacteria, fungi and protozoa plus the associated nematodes and arthropods.

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



930,000,000 Bacteria
3 miles of Fungi
100,000 Protozoa
500 Beneficial Nematodes

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

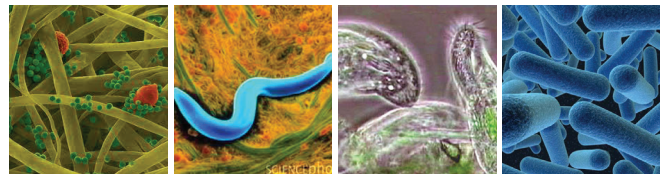
thriving culture of microbes we get enhanced plant growth and conservation of resources. The microbes will self manufacture plant fertilizers, natural insecticides, biological fungicides and suppress weeds all to the benefit of the plants. The beneficial microbes are easy to grow in your soils. They just need Oxygen, Carbon and minerals. What hurts their development are chemical pesticides and chemical fertilizers.

The chemical approach assumes that microbes are unimportant. As a by product of that thought, the chemical industry 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. FYI most chemical fertilizers have just 5 minerals and a salt index of 99.9%. Any salt index of 69.0% is considered injurious to plants. Automatically by applying most chemical fertilizers you are starving the plants, causing injury and killing soil microbes.

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

Organic programs are geared to maximize soils and plants health.

We want large numbers of these guys in our soil.



Bacteria

Fungi

Protozoa

Nematodes

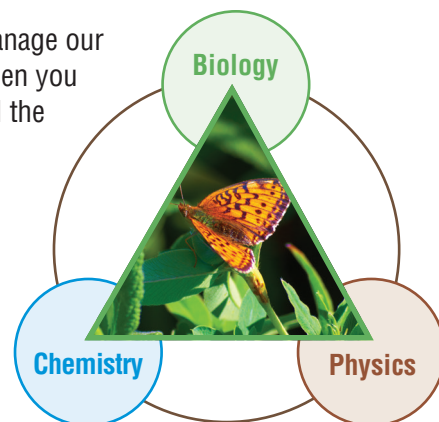
Soil Chemistry

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:

- pH should be between 6.0 – 7.0
- Calcium-to-Magnesium should be a 5:1 ratio
- Regularly add Carbon and a rich array of Minerals

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



Water Management



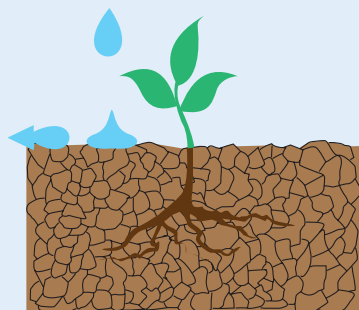
One major benefit by going Organic is a huge reduction in water use. This happens because good quality Organic fertilizers and amendments will improve the soils' water infiltration rate, the soils' water holding capacity and the plant root mass size.

To further maximize healthy plant growth and to conserve water it is critical to have an efficient irrigation design and installation. We have seen countless problems due to poor irrigation design, equipment and installation. It is very important to have cohesive irrigation schedules and correct run times based on the soils' water infiltration rates

Drainage, especially in turf will improve dramatically with the use of quality Organic products by enhancing the soil's composition. Organics cannot change soil type but will improve the soil's structure. For example clays and compacted soils gain greater oxygen flow with the addition of Organics. That creates a healthier situation for plants to grow.

Water costs are double under chemical care

Chemical fertilizers do not improve soil structure, Organics do. By 'Going Organics' we can save \$3,000.00 per acre in water costs and that's after the Organic fertilizers have been paid for. Here's how it works



Chemical Soil

- Tight Soil
- Low Infiltration
- Low Oxygen
- Small Roots



Organic Soil

- Friable Soil
- High Infiltration
- More Oxygen
- Bigger Roots

Raising Organic Matter 1% will retain an extra 20,000 gal of water per acre per water event.



All life forms to achieve optimum health need the maximum amount of nutrition possible. Only quality Organics will give full nutrition. Examine this; Chemical fertilizers give at the most 5 minerals yet plants need at least 52 minerals to be healthy. Automatically by feeding with chemical fertilizers malnourishment sets in which causes problems with pest insects, diseases and poor plant performance.

Good quality Organics like our MicroLife Organic Fertilizers provide over 70 minerals. Plants grow healthier, more productive, more beautiful and with a lot less problems.

All Organic programs need to start with a firm Organic nutrition program in place.

From the very beginning of site preparation and installation quality Organics absolutely need to be used. Plant and soil health are indivisible from each other. At conception we want to make constant and consistent improvement with the plant and the soil. Organics, by working with the beneficial soil microorganisms will improve all soils and Organics will correctly feed the plants at the same time. Plants start out stronger on an Organic program and are easier to maintain.

MicroLifeTM
All Organic Biological Fertilizers

**Simply the best plant &
soil nutrition in the world!**

Organic Specifications – Landscape & Garden Installation

The use of good material in the beginning and in the proper amount is critical. It's all about having successful installations and low maintenance cost afterwards. The quality and choice of nutrition will have a great deal of influence on how your new plants will do. With Organics you will have higher plant survival rates and accelerated beauty from the beginning. With Organics everything is geared to provide long term value and ease of long term care.

Our Organic Fertilizers and Amendments have a 26 year heritage of performance.



Turfgrass – Sod or Seed

- Apply 10 lb of MicroLife Humates Plus per 1,000 sq ft over final grade
- Apply 5 lb of Soil Moist Crystals per 1,000 sq ft
- Spread 1/4" layer of high quality compost
- Install sod or broadcast seed
- Apply 20 lb of MicroLife 6-2-4 per 1,000 sq ft



Ornamentals

- Build beds up with good quality composted top soil.
- Work in 40 lb of MicroLife Ultimate 8-4-6 per 1,000 sq ft
- Water plants in well with Super Seaweed
- Cap with a good quality hardwood mulch



Flower Beds and Vegetable Gardens

- Build beds up with good quality composted top soil.
- Work in 40 lb of MicroLife 8-4-6 per 1,000 sq ft
- Work in 10 lb of MicroGro Biological Granulars per 1,000 sq ft
- Water plants in well with Super Seaweed
- Cap with quality hardwood mulch



Trees

- Add 1 – 3 oz Rhizanova Tree Transplant package per caliber inch
- Add 8 oz of MicroLife Ultimate 8-4-6 per caliber inch
- Water trees in well with Super Seaweed

> 'Let Food be thy Medicine'

An important note about food. If you do nothing else, grow your food Organic and buy as much Organic food as you can. Organic foods are much more nutritious, taste better and do not contain harmful chemical pesticides.



Organic Specifications – Maintenance Fertilization

All plants to truly excel must have great nutrition. Properly fed plants will produce healthy growth, beautiful color and naturally resist pest insects, diseases and weeds. Pest insects and diseases are attracted to sick, malnourished and stressed plants which then lead to client aggravation, plant replacements and expensive pesticide treatments. Stay on the side of strength and positiveness with the use of quality Organics. Be sure to properly irrigate, provide good drainage and to use the right plant for the site.

Our Organic Fertilizers and Amendments provide the highest nutritional quality available. With all of our fertilizers and amendments you'll get over 70 minerals, natural plant hormones, natural plant stimulators, natural sugars, vitamins, proteins, amino acids, carbohydrates, carbon, food for the indigenous microbes and in most of our products; billions and billions of additional beneficial microbes.



Turfgrass

- Spring – 20 lb of MicroLife 6-2-4 per 1,000 sq ft
- Spring – 10 lb of MicroLife Humates Plus per 1,000 sq ft
- Summer – 20 lb of MicroLife 6-2-4 per 1,000 sq ft
- Summer *option* – 10 lb of MicroLife Humates Plus per 1,000 sq ft
- Fall – 20 lb of MicroLife 6-2-4 per 1,000 sq ft



Ornamentals

- Spring – 20 lb of MicroLife Ultimate 8-4-6 per 1,000 sq ft
- Summer – 20 lb of MicroLife Ultimate 8-4-6 per 1,000 sq ft
- Fall – 20 lb of MicroLife Ultimate 8-4-6 per 1,000 sq ft
- Every 30 – 60 days foliar spray with Super Seaweed + Garlic Oil
- Yearly mulch with Aged Hardwood



Azaleas, Roses & Acid Loving Plants

- Every 90 – 120 days apply 40 lb of MicroLife Azalea 6-2-4 per 1,000 sq ft
- Every 30 days foliar spray with Ocean Harvest or Super Seaweed
- Yearly mulch with Aged Hardwood



Flowers & Vegetables

- Every change out apply MicroGro & MicroLife Ultimate 8-4-6 then
- Every 60 - 90 days apply 40 lb of MicroLife Ultimate 8-4-6 per 1,000 sq ft
- Every 2 – 4 weeks foliar spray with Maximum Blooms + Garlic Oil



Large Trees

- Small to Mid size trees will get their nutrients from your Organic landscape
- Large trees will benefit from an annual deep root feeding of:
- 1.5 gal of Bio Matrix + 6 oz of Rhizanova Mycorrhizal Inoculant mixed with 100 gal of water injected by the root system.

Organic Problem Solving

Pest Insects, Disease And Weed Control

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 pro active approach that discourages pest insects from setting up shop on your plants will be to cover 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.

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.

Soft Bodied Insects (Aphids, Mites, Thrips, White Flies, Lace Bugs, etc)

- Use one of the following; EcoSMART Organic Insecticide or Neem Oil.

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.

Chinch Bugs

- Occurs when St. Augustine is hot, dry & stressed. Water well during the hot, dry months. Use EcoSMART Granular if there is a problem.

Fleas & Ticks

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

Slugs and Snails

- Use Sluggo (Iron Phosphate)

Fireants

- 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 and Natural Oil mixed with water all around the area. Spray shrubs, turfgrass, ground cover, deck, building walls, fence, etc. Or use EcoSMART Mosquito Fogger.

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 and the bad microbes leaving a vacuum and doesn't get to the root cause. It is much better to improve your soil, manage your watering and to apply biological fungicides.

Leaf Spots and Powdery Mildew

- Use Bio Matrix 7-1-2, 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

- 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.

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 and/or overwatering
- ▷ Chemical fertilizers and 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 a little clover is a pretty plant and provides Nitrogen to the turf grass.
- ▷ Chemical herbicides are poisons and are dangerous. They are hazardous to human and animal health, pollute our waters and 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.

Here's what we recommend and what works –

- 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.
- **Torch Guns** work great and they are fast. All men love this way to kill weeds.
- **Agralawn** – Selective post emergent herbicide. More effective than chemicals, works extremely fast. Primary ingredients: cinnamon, cumin, baking soda and flour. Apply as a dust directly on to the weeds. Slightly wet foliage before applying.
- **Black Jack** – Non selective post emergent herbicide. Black Jack will burn anything it is sprayed on. Contains 21% vinegar. Spray directly on to the weed.

Product Guide

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

Organic Fertilizers, Nutrition and Biological Amendments



MicroLife 6-2-4 All Organic, Biological Fertilizer

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

Homogenized and granulated, 70 + 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 Azalea 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.

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, 70 + minerals with billions and billions of beneficial microbes including Mycorrhizal fungi.

Sizes available: 9 lb • 40 lb • Ton

Organic Fertilizers, Nutrition and 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.

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: 40 lb • Ton



MicroLife Liquid Humates Plus

Rapid soil and plant restoration

The liquid version of MicroLife Humates Plus. Because it's water soluble it works very fast to improve all soils and plants. Excellent for re-mediating salts from soils, increasing biological life and mineralizing plants.

Sizes available: Gal • 55 gal drum



Organic Fertilizers, Nutrition and Biological Amendments



Super Seaweed Liquid Bio/Root Stimulant and Mineralizer

For all plants all the time

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 and Bio-Stimulant

For all plants all the time

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 increase 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 7-1-2 Liquid Organic Fertilizer and 'Compost Tea'

For all plants all the time

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 energy for plants and soils

This is the liquid extract of our Granular Humates and naturally contains Iron, Sulfur plus 47 micro-nutrients. Excellent for restoring soil health and for chelating and trans-locating plant nutrients

Sizes available: Gal • 55 gal drum



Molasses Liquid Organic Concentrate

Liquid energy for plants and soils

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

Organic Insecticides



Neem Oil

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: Pint • Gal



EcoSMART Liquid

A new type of Organic insecticide. Uses essential oils to kill & repel pest insects. Completely safe around children & pets.

Sizes available: 24 oz RTU • 32 oz Concentrate



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 • Gal



Natural Oil

Natural Oil with emulsifiers. Insecticide, Dormant Oil and Spreader/Sticker all in one. 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



EcoSMART Mosquito Fogger

A quick, convenient, and safe way to rid your area of mosquitoes and flies for up to 8 hours. Uses essential oils and is completely safe around children and pets.

Sizes available: 14 oz aerosol



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: Qt – RTU • Gal Concentrate

Organic Disease Control



Neem Oil

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

Sizes available: Pint • Gal



Bio Matrix 7-1-2

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

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



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



Black Jack 21

Non-selective post emergent herbicide. 21% Vinegar with Humic Acid and Orange Oil.

Sizes available: Gal • Cs/4 • 55 gal drum



GROW BETTER, GROW EASIER
CREATE A BETTER WORLD
GROW ORGANIC!

**MicroLife**TM

ALL BIOLOGICAL ORGANIC FERTILIZERS

are manufactured by San Jacinto Environmental Supplies

2221 West 34th Street, Houston Texas 77018

713.957.0909 info@microlifefertilizer.com

www.microlifefertilizer.com www.sanjacsupply.com



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