







Arthur Franke began farming in Medina County, Texas after returning home from World War II. In the beginning his farm was successful. However, over time he noticed his soil had become compacted to the point his Farmall H tractor could no longer plow his fields.

The idea for Medina Agriculture started in 1962 when Arthur Franke met James Martin at the Frontier Café in Hondo, Texas. Mr. Franke and Mr. Martin decided to produce enzymes that would act as catalyst in the soil. They applied this catalyst onto Mr. Franke's 600 acres of farmland. They planted milo, wheat and barley. Within the first year, Mr. Franke's crops had higher test weight per bushel and higher yields. They then used this catalyst on other nearby farms with exceptional

success.

This catalyst would later become known as Medina Soil Activator. Medina Agricultural Products was incorporated in 1962. Today we offer a complete line of natural and organic products for the farmer



The second and third generations of the Franke family strive to produce quality products that will give farmers and home gardeners the solutions and success they want to achieve. The fundamental foundation is to improve the overall health of the soil, make fertilizers more readily available at the time of application and throughout the growing season.









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MEDINA SOIL ACTIVATOR



Coined by natural gardening experts since it stimulates beneficial organisms in the soil.



- · Converts nutrients into usable food for the plant
- · Balances soil pH
- · Improves soil structure
- · Reduces salt and chemical build-up
- Promotes strong root growth

Our original biological activator for the soil. Medina Soil Activator is derived from a complex bio-catalyst process. Medina Soil Activator is fortified with essential micronutrients. This stimulates, strengthens, and multiplies the soil indigenous microbes.



Shake well before using · Always dilute and apply with water

HOSE-END SPRAYER:

Fill the container with Medina Soil Activator to the fill-line. Set dial to 4 ounces (8 tablespoons) per gallon of water.

LAWNS:

Apply just as the lawn is coming out of dormancy. Then apply throughout the growing season. Medina Soil Activator can be applied after spreading fertilizer.

DRENCH OR PUMP-UP SPRAYER:

Mix 3 ounces (6 tablespoons) per gallon of water.

VEGETABLE GARDENS, FLOWERBEDS, & CONTAINERS:

Use at time of planting and throughout the growing season.

Available in Quarts, Gallons, and 5 Gallons



DEWEY COMPTON

On September 11, 1976, Hurricane Carla hit the Texas Gulf Coast.
Hurricane Carla devastated the Texas coastline from Port Arthur to
Corpus Christi. Rice farmers in the Beaumont and Port Arthur area
experienced catastrophic loss due to storm surge. A few farms in the area
were willing to try Medina Soil Activator.

Dewey Compton Texas A & M Agriculture graduate and radio personality heard about the incredible results the rice farms using Medina Soil Activator were having with revitalizing their soil and being able to plant again. Soon enough he began talking about Medina Soil Activator on his KTRH Garden Line Radio Program.



MEDINA PLUS For Vigorous Plants & Healthy Soil

Benefits

- Helps plants that are stressed
- · Reduces transplant shock
- · Converts nutrients into usable food for the plant
- · Balances soil pH
- · Improves soil structure
- · Reduces salt and chemical build-up
- · Promotes strong root growth

Several years after we developed our original Medina Soil Activator, we had requests to add additional products to the recipe. Our Medina Plus is Medina Soil Activator fortified with micronutrients and seaweed extracts. Seaweed helps plants to achieve their maximum grow potential and yield potential by enhancing natural processes that protect against abiotic stress, improve nutrient uptake and use.

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Directions for Use

Shake well before using · Always dilute and apply with water

HOSE-END SPRAYER:

Fill the container with Medina Plus to the fill-line. Set dial to 4 ounces (8 tablespoons) per gallon of water.

LAWNS: Apply just as the lawn is coming out of dormancy. Then apply throughout the growing season. Medina Soil Activator can be applied after spreading fertilizer.

DRENCH OR FOLIAR SPRAY:

Mix 3 ounces (6 tablespoons) per gallon of water.

VEGETABLE GARDENS. FLOWERBEDS. & CONTAINERS:

Use at time of planting and throughout the growing season.

Available in Quarts, Ready-to-Spray, Gallons, and 5 Gallons





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Soil Amendments

HUMATE HUMIC ACID



- Improves moisture retention
- · Enhances nutrient release
- · Improves soil physical properties
- · Assist with nutrient uptake
- · Holds exchangeable plant nutrients

Humic Acids are one of the important elements in a healthy soil environment. Humic Acid is formed as a result by a natural process called humification. This happens when organic matter is formed by the process of decomposition of plant and animal life over a period of thousands of years. HuMate Humic Acid is a concentrated compost in a bottle. that contains both humic and fulvic acid.

VEGETABLES AND FLOWERS:

Shake well then mix 1 1/2 ounces (3 tablespoons) per gallon of water. Pour around new transplants or established plants every 3 to 4 weeks throughout the growing season.

LAWNS:

Shake well then pour concentrated HuMate into hose-end sprayer. Set dial to ½ ounces (3 tablespoons) per gallon of water. Attach hose-end sprayer to hose. Apply evenly across the lawn. One quart will cover 2000 square feet.

DRENCH OR FOLIAR SPRAY:

Mix 3 ounces (6 tablespoons) per gallon of water.

VEGETABLE GARDENS. FLOWERBEDS. & CONTAINERS:

Use at time of planting and throughout the growing season.

Available in Quarts, Gallons, and 5 Gallons



Molasses provides a natural food source for the indigenous microbial populations in the soil. Molasses is recommended for all types of plants, crops and turf. Molasses is compatible with most natural biological soil stimulators.

LAWNS OR TURF:

Shake well then mix 2 to 8 ounces per gallon of water then spray across the lawn as a soil stimulant.

GENERAL USE FOR ALL GARDENS, SHRUBS & TREES:

Shake well mix I ounce (2 tablespoons) per gallon of water to then drench or spray across the area as a soil stimulant.

Available in Quarts, Gallons, and 5 Gallons



MICRONUTRIENTS

Medina Micronutrients is a unique blend of nutrients sourced from a rich clay deposit. This natural source of essential nutrients is designed to stimulate color, vigor and encourage maximum root growth.

 $-\cdots -\cdots -\cdots >$ Directions for Use $\ \langle \sim \cdots -\cdots -\cdots -$

LAWNS OR THRF-

Apply 3 lbs (5 cups) per 1000 square feet. Water in after application.

FLOWERS & VEGETABLE GARDENS:

At the time of planting use 1-2 cups per 1000 square feet then water after planting. For established gardens use Medina Micronutrients yearly. For potted plants blend in 1 to 2 teaspoons per gallon of potting soil at the time of planting then water after planting.

SHRUBS TREES & CITRUS-

For new transplants apply 1/2 cup around the base of the plant, lightly scratch into soil then water in. For established shrubs. trees and citrus spread 1-2 cups around the base of the plant yearly, then water in.

Soil Amendments

Available in 5 and 40 lb bags



BENEFICIAL MICROBES





- · Increases the efficiency of added fertilizers
- · Helps release nutrients tied up in the soil
- · Can be used to inoculate compost piles to assist in faster breakdown
- Gives plants an immunity boost which can help protect a plant from disease
- · Can be used as a dip or soak for bareroot plants
- · Add Beneficial Microbes to aerated compost tea half-way through the brewing process
- · Can be used as a drench for newly planted plants or established plants throughout the growing process

Our Beneficial Microbes contain a concentrated blend of 18 species of beneficial bacteria, 3 beneficial fungus and 1 beneficial mycorrhizae. These cultures are grown separately and blended to maintain specific ratios for optimum results. Our blend of beneficial microbes work together for optimum results. Medina Beneficial Microbes are water soluble which make them easy to mix and apply. We add seaweed and humic acid to encourage natural processes in the soil.

Mix I teaspoon of Beneficial Microbes with 32 ounces (I quart of water). Agitate the solution for at least 5 minutes. The diluted solution does not require aeration but must be used within 12 hours after mixing. This solution can cover up to 2000 square if using a hose-end sprayer or pump-up sprayer.

Available in 4 ounces





- · Neutral pH
- · OMRI Listed
- · Contains calcium and magnesium
- · Low salt and silicates
- · Will not burn

Medina Growin Green is an 0RGANIC all-purpose fertilizer that is derived from pasteurized poultry manure. Growin Green is a slow-release fertilizer that will continually feed throughout the growing season. Growin Green contains calcium which improves the cell structure of plants. Use Growin Green for your lawns, flowerbeds, vegetable gardens, shrubs and trees.



Water in all areas after application • 40 lbs covers 3000 sq ft

LAWNS:

Apply at a rate of 13 to 16 lbs. per 1000 sq ft. A fertilizer spreader is the easiest way to distribute in large areas and ensures even coverage. Growin Green should be applied every spring, summer and fall as maintenance.

POTTED PLANTS:

If mixing Growin Green into potting mix before planting, use at a rate of 2 tablespoons per gallon of potting mix. Thereafter, use I tablespoon of Growin Green as maintenance every other month.

VEGETABLE GARDENS & FLOWERBEDS:

Apply at a rate of 30 lbs per 1000 sq ft every other month for maintenance.

TREES:

Apply at a rate of I pound for each inch of trunk diameter. Repeat every 3 months during the growing season.

Roses.

Apply at a rate of 2 ounces (1/3 cup) per bush.

Available in 5 lb, 40 lb bag or 2000# totes

"Growin Green is our #1 prescribed all-purpose fertilizer for gardeners. Great for trees, shrubs, blooming perennials, veggie gardens, and lawns too!"

Jesse Jenkins, Owner of Gills Garden Center and Landscape Company, Corpus Christi, Texas

Terry Bone of
Floresville, Texas uses
nothing but Growin
Green 3-2-3 on his
lawn. Terry states he
does not have to water
his lawn as often, nor
does he have problems
with disease or pest.
Terry said he is not
concerned about his
beloved Samson
rolling around in the







- · OMRI Listed
- · One 25 lb covers 5000 square feet
- · Contains both macro and secondary nutrients

Our Growin Green 9-6-1 is a slow-release 0RGANIC fertilizer which enhances the soil while promoting consistent growth of the plant. This fertilizer can be used throughout the growing season on lawns, vegetable gardens, container gardens, flowerbeds, trees, shrubs and orchards.

Directions for Use

TREES & SHRUBS:

Large established trees apply I cup per I inch diameter of tree trunk twice a year. Newly Planted Trees apply ½ cup per plant twice a year. Established Shrubs ½ cup around the base of each shrub. New Planted Shrubs ¼ cup around the base of the newly planted shrub.

FLOWERBEDS & VEGETABLE GARDENS:

At the time of Bed Prep apply 1 to 2 lbs per 100 square feet. Established Gardens throughout the growing season apply 2-4 lbs per 100 square feet

NEW & ESTABLISHED LAWNS:

Apply 5 lbs per 1000 square feet.

CONTAINERS:

Apply ¼ to ½ teaspoon per inch of container diameter every 4 to 6 weeks.

Available in 25 lb bags with 49 per pallet







- · Fast efficient absorption
- · Stimulates natural soil organisms
- · Complete nutrient uptake for less fertilizer waste

Hasta Gro Lawn Food contains a blend of quality natural lawn food supplements plus Medina Soil Activator and HuMate Humic Acid. Hasta Gro Lawn is like getting a lawn care kit in a bottle. You will see results quickly.

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Simply attach to a hose and spray. One quart covers 4000 square feet. You can use a gallon of Hasta Gro Lawn 12-4-8 to refill your sprayer.

ESTABLISHED LAWNS:

Apply throughout the growing season.

Available in a Ready to Spray Quarts, Gallon, and 5 Gallons







- · Gentle formulation
- No salt or chemical buildup
- · Builds biological activity in the soil
- · Can be used as a foliar feed or a drench

Hasta Gro Plant Food 6-12-6 is actually three products in one. Hasta Gro Plant food contains high quality N-P-K plant food with a combination of Humic and Fulvic Acids, Medina Soil Activator and seaweed. These ingredients stimulate both the biological activity in the soil and promote blooming and fruiting.

FOLIAR FEEDING:

Mix ½ ounce (I tablespoon) of Hasta Gro with one gallon of water. Spray leaves until dripping. Do not rinse off. Re-apply every one to two weeks.

AS A DRENCH:

Mix I ounce (2 tablespoons) of Hasta Gro Plant with one gallon of water. Thoroughly water. Use every three to four weeks.

Available in a Ready to Spray Quarts, Quarts, Gallons, and 5 Gallons

JAY WHITE

OWNER OF TEXAS GARDENER MAGAZINE

"As the owners of Texas Gardener magazine we treasure the plants that have been shared with us by gardeners from our past. We have several pass along plants that have been grown by generations of Texans for over a hundred years. These are the plants we cherish and the ones we baby. That is why we have fed them with Hasta Gro for the past 20 years! Hasta Gro has the macro and micronutrients our heirlooms need whether they are an heirloom ornamental or an heirloom vegetable. I count on Hasta Gro to keep all my heirlooms growing so I can share them with the next generation of Texas Gardeners."







- · Phosphorous Free
- · Designed to feed the soil and the plant
- · Slow-release fertilizer
- · Economical, one guart covers 4000 square feet

Hasta Gro Super Gro is a complex blend of nutrients, molasses, HuMate Humic Acid, and Seaweed extracts all in one product for ease of application to increase early vegetative growth and improve soil microbial health. Designed to supply nutrients, stimulate soil microbes, and help reduce compaction while developing a deeper root system.



READY TO SPRAY:

Attach the container to a hose. Simply spray foliage of plant until dripping. Do not rinse off.

AS A DRENCH:

 $\mbox{\rm Mix\,I}$ ounce (2 tablespoons) per gallon of water. Pour around plant until saturated.

Available in a Ready to Spray Quarts, and Gallons

"We have been using Medina Super Gro 16-0-2 since November of 2023. We have gotten more results using this fertilizer than any other brand on the market."

-Mark and Mike Fanick, Owners of Fanick Garden Center and Nursery, San Antonio, Texas













Benefits

- Reduces stress at the time of planting
- · Increases seed germination
- · Can be used throughout the growing season

Medina Liquid Seaweed is a concentrated blend of seaweed, humic and fulvic acids. Medina Seaweed helps plants reach their maximum growth and yield potential. This is made possible by enhancing natural processes that protect against abiotic stress and improve nutrient uptake and use.

Directions for Use $\langle \sim \cdot \cdot$

SEED & TRANSPLANTS:

Mix I ounce (2 tablespoons) per gallon of water. Moisten seeds with solution before planting or use at the time of planting seed into soil. Water in newly transplanted plants.

FOLIAR SPRAY:

Mix I ounce (2 tablespoons) per gallon of water in a pump-up sprayer. Spray foliage of plant until dripping. For hose-end sprayers fill reservoir with Medina Seaweed set dial to I ounce (2 tablespoons) spray foliage until dripping do not rinse off. Reapply every other week

LAWNS, FLOWERBEDS, & VEGETABLE GARDENS:

Mix 2 ounces (4 tablespoons) per gallon of water on an area of 1000 square feet.

Available in Quarts, Gallons, and 5 Gallons



FISH BLEND



Benefits

- · Economical, 1 quart makes 32 gallons of fertilizer
- Ingredients feed the soil and plant
- · Can be used as foliar spray or drench

Medina Fish Blend contains, fish emulsion, cane molasses, apple cider vinegar, seaweed extract, humic and fulvic acid, and contains 7 beneficial bacteria. Our bacteria in our Fish Blend will help your plants stay healthy, assist in nutrient uptake and grow a larger root mass. Fish Blend is wonderful and effective in the flowerbeds, rose, herb, and vegetable gardens.

Directions for Use

FOLIAR SPRAY OR DRENCH:

Mix I ounce (2 tablespoons) per gallon of water. Spray plants until dripping but do not rinse off.

As a drench, water around plant until saturated.

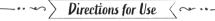
SEED. ROOT & TRANSPLANT SOLUTION:

 ${\rm Mix}\,1/2$ ounce (1 tablespoon) per gallon of water. After planting seeds soak the entire root zone.



Garrett Juice Plus is an all-natural foliar plant food developed by the Dirt Doctor, Howard Garrett.

Garrett Juice Plus is the newest generation in the Garrett Juice success story. The simple but powerful formula of compost tea, apple cider vinegar, molasses and seaweed has been made even more powerful with the addition of liquid fish.



Shake well before and while using • Ideal for use on all plants

SOIL DRENCH

Mix 4 ounces (8 tablespoons) of Garrett Juice per gallon of water to dilute.

FOLIAR SPRAY mix 2 ounces (4 tablespoons) per gallon of water to dilute. Spray the entire leaf surface of the plant weekly. Apply in early morning or in the evening. Start application as soon as new emerging plants have 3 to 4 leaves.

Available in Quarts, and Gallons

THE DIRT DOCTOR SHARE BELLEVIS

"The special magic of Garrett Juice happened when I discovered that low ph ingredients make foliar sprays more bio-available to plants helping them overcome even serious problems - such as oak wilt. Vinegar became the not-so-secret ingredient. It worked. The formula became - compost tea, apple cider vinegar, liquid seaweed and molasses. It's even better now with the addition of liquid humate for more biological stimulation and liquid fish for more organic fertilizer horsepower.

I originally thought of Garrett Juice as just a terrific foliar feeding mixture but my personal experience is that Garrett Juice is also a gentle organic fertilizer for the soil, a root stimulator, a beneficial microbe stimulator, a strong aid for bud set and flowering, an indirect repellent for insect and disease problems and an important piece of my organic soil detox program.

and an important piece of my organic soil detox program. Medina's Garrett Juice Plus can increase the health and production of your gardens, landscaping, container gardening, greenhouse operations, farms and ranches. If it doesn't - let me know."







Problem Solvers

COMPOST STARTER



Compost Starter is a natural biological activator for use with compost piles and solid organic wastes. Compost Starter contains specific bacteria and fungal cultures that are needed to inoculate a new compost pile. It ensures a faster startup time and a more complete digestion of organic waste.

Directions for Use ⟨~··—···—

AS A DRENCH:

Mix 1/2 ounce (1 tablespoon) of Compost Starter with 128 ounces (1 gallon) of water for every cubic foot (7.5 gallons) of material to be composted. Use within 12 hours of mixing.

Available in 4 ounces





- · Reduce odors
- · Assist in maintaining a stable pH level
- Accelerate the composting process
- · Balance the carbon to nitrogen ratio
- Produce a richer finished compost

Compost Nutrients are a complex blend of macro nutrients and organic compounds to assist in balancing the carbon to nitrogen ratio. Compost Nutrients will heighten microbial activity which will accelerate the composting process.

Directions for Use

MAINTENANCE OF COMPOST PILE:

For compost piles that contain a high amount of green material (grass clippings, fresh green leaves and fresh plant clippings) mix 8 ounces (1 cup) to 5 gallons of water.

NEW COMPOST PILE:

Use our Medina Compost Starter

Available in Gallons





- · All natural
- · Will not corrode pipes
- · Will not cause pH problems
- · Odors are drastically reduced or eliminated completely

Actina increases the natural biological activity of microbes present in sewage. It contains biological activators derived from a fermentation process. This increase in activity and numbers of organisms can help speed up the digestion of wastes and release enzymes that break down grease and other complex wastes. Because these wastes are more completely digested the need for cleaning and pumping are greatly reduced.



Directions for Use <~··-

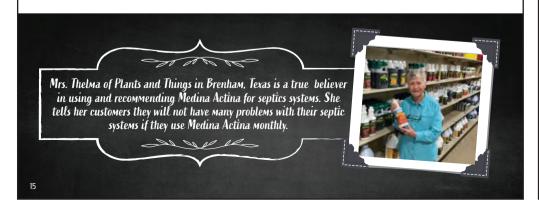
SEPTIC TANKS, CESSPOOLS, & DRAIN FIELDS:

Brand new Septic Tanks or Cesspools - Use our Medina Septic Tank Starter.

Established Septic Tanks, Cesspools and Drain Fields - First time use for every 4 people using the system flush 32 ounces (1 quart) of Actina down any drain leading to the tank. One week later flush 16 ounces (1 pint) down any drain leading to the tank. Then once a month flush 8 ounces (1 cup) down any drain leading to the tank for preventative maintenance.

ODOR CONTROL: Use 2 ounces (1/4 cup of Actina to reduce odors in garbage disposals, drainpipes, or other odor releasing areas. For dog runs, feed lots and chicken pens mix 16 ounces (1 pint) with 128 ounces (1 gallon) of water. Then spray the area.

Available in Quarts, Gallons and, 5 Gallons





Problem Solvers

SEPTIC TANK STARTER



- · Non-corrosive
- · Environmentally safe and will not contaminate the soil
- · Will not harm pipes
- · Natural Biological Activator

Medina Septic Tank Starter is a formulation which combines beneficial bacteria and fungus microbes that digest grease and wastes in a septic system. Septic Tank Starter is ideal for a new septic tank, cesspool, a sluggish septic tank that may be low in microbial activity or a recently pumped septic tank.

Directions for Use <~··-

For new systems and during peak use mix 1 ounce (2 tablespoons) with 64 ounces (1/2 gallon) of warm water. Flush down any drain leading to septic tank.

For regular maintenance of Septic Tank switch to Medina Actina Septic Tank Activator.

Available in 4 ounces



BIOLOGICAL ODOR CONTROL



- · Natural biological stimulator
- · Contains no masking agents or perfumes
- 100% environmentally safe
- · No chemicals, toxic substances or organisms

Biological Odor Control quickly gets rid of odor by balancing the microbial activity. Biological Odor Control contains safe biological activators that supercharge the naturally occurring biological decaying process. Use BOC to control or manage odors throughout the house including the bathroom, kitchen, closets, garage, pet areas, trash piles, fireplaces, carpets, sinks, automobiles, anywhere odor is a problem.

Directions for Use ⟨ ~··--··

Ready to use. No mixing required.

Simply spray BOC on and around odor areas. Allow adequate time for noticeable odor reduction to occur.

For stubborn odors repeat application every 3 to 4 days.

Available in Quarts, Gallons and, 5 Gallons



Problem Solvers

ORANGE OIL



· Orange Oil itself is completely natural and biodegradable

Medina Orange Oil is 98 percent cold pressed orange peel and 2 percent emulsifier. No heat is applied during the pressing process which preserves the integrity of the oil. Orange Oil has a variety of household and gardening applications.

Directions for Use

As a **CLEANING SOLUTION** mix 2 ounces (4 tablespoons) per gallon of water. Test solution on small area before using. For cleaning tar, heavy grease, paint brushes, and sealants you can use a higher concentration. For use in the garden visit www.dirtdoctor.com

Available in Quarts, and Pints



20 PERCENT VINEGAR



20 Percent Vinegar is a fast-acting non-selective contact weed control. Using 20 Percent Vinegar as a foliar spray on leaves of unwanted plants will cause them to dry out completely. On young tender vegetation this may kill them quickly. On older vegetation a second application may be needed. 20 Percent Vinegar is a natural acetic acid which breaks down quickly in the soil.

Please be sure to read all the directions and use protective gear when using.

Available in Gallons



THANK YOU



We greatly appreciate your interest in our products. For more information and videos please visit our website www.medinaag.com. If you have guestions about a product you can email sales@medinaaq.com

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We are here to help. Do you need training for your staff? Do you need a speaker for an event? Or are you having your yearly customer appreciation day? Just let us know, we truly enjoy being involved with our retailers.





