



## Soil Activator

- Converts nutrients into usable food for the plant
- Balances the soil micro flora
- Balances soil pH
- Balances soil structure
- Reduces salt accumulations
- Reduces chemical buildups
- Promotes root growth
- Reduces soil compaction

## Medina Soil Activator

### FACT SHEET

#### Medina Soil Activator

##### GUARANTEED ANALYSIS

Magnesium (M <sub>g</sub> )	0.50%
Iron (F <sub>e</sub> )	0.10%
Zinc (Z <sub>n</sub> )	0.05%

Derived from Magnesium Sulphate, Ferrous Sulphate, Zinc Sulphate

Medina Agriculture Products Co., Inc. · 4360 Hwy 90 West · Hondo, TX 78861

## Directions

**YARDS AND LARGE AREAS:** For use with a hose in sprayer with adjustment: set for 6 tablespoons or 3 ounces per gallon. Fill the entire container with undiluted Medina Soil Activator. One quart should cover 1000 square feet. Use 3 to 4 times a year.

**GARDENS AND FLOWER POTS:** For small areas and flower pots, mix 6 tablespoons or 3 ounces in a gallon of water and apply to the foliage with a pump sprayer or sprinkling can. Use 3 to 4 times a year.

**COMPOST PILES:** To speed up composting process, use 1 cup of Medina Soil Activator to each yard (200 gallons) of compost. Mix this with enough water to keep the pile moist but not saturated. Repeat monthly.



## Activator PLUS

- For vigorous plants and healthy soils
- Promotes fruit set
- Transplant aid
- Increases blooming and leaf growth
- Improved plant hardiness
- Recommended for seed treatment
- Increases root growth

## Medina Plus

### FACT SHEET

#### Medina Plus

##### GUARANTEED ANALYSIS

Magnesium (Mg)	0.50%
Iron (Fe)	0.10%
Zinc (Zn)	0.05%

Derived from Magnesium Sulphate, Ferrous Sulphate, Zinc Sulphate, Kelp

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## Directions

**YARDS AND LARGE AREAS:** Medina Plus is available in a Ready To Use form, simply connect hose to the top and open valve. For use with a hose in sprayer with adjustment: set for 6 tablespoons or 3 ounces per gallon. Fill the entire container with undiluted Medina Plus. One quart should cover 1000 square feet. Do not water in; leave the spray on the foliage for one day.

**GARDENS AND FLOWER POTS:** For small areas and flower pots, mix 6 tablespoons or 3 ounces in a gallon of water and apply to the foliage with a pump sprayer or sprinkling can. Repeat every 2 weeks as needed during fruiting and flowering season.

**TRANSPLANTING:** To increase the root growth and reduce transplant shock, new plants can be watered in with a mixture of diluted Medina Plus. Mix 1 ounce of Medina Plus per gallon of water and pour slowly to wet all of the loose soil around the new plant.



# Hasta Gro Plant 6-12-6

## FACT SHEET



### Hasta Gro Plant

#### GUARANTEED ANALYSIS 6-12-6

Total Nitrogen (N)	6.00%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	12.00%
Soluble Potash (K <sub>2</sub> O)	6.00%
Copper (C <sub>u</sub> )	0.02%
.02% Chelated Copper	
Iron (F <sub>e</sub> )	0.10%
.10% Chelated Iron	
Manganese (M <sub>n</sub> )	0.05%
.05% Chelated Manganese	
Molybdenum (M <sub>o</sub> )	0.0005%
Zinc (Z <sub>n</sub> )	0.05%
.05% Chelated Zinc	

Derived from Urea, Phosphoric Acid, Potassium Hydroxide, Aqua Ammonia, EDTA Copper, EDTA Iron, EDTA Manganese, Sodium Molybdate, EDTA Zinc.

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## Directions

**FOLIAR SPRAYS:** Mix ½ ounce Hasta Gro with 1 gallon water. If using a hose in sprayer with adjustments, set for 1 tablespoon or ½ ounce per gallon.

Spray until leaves start to drip. Do not rinse after applying. Use every 1 to 2 weeks.

**SOIL TREATMENT:** Mix 1 ounce Hasta Gro with 1 gallon of water. Thoroughly water. Use every 2 to 3 weeks.

**HOUSEPLANTS:** Mix ½ ounce Hasta Gro with 1 gallon water. Soak soil and/or spray leaves. Use this mixture every watering.

**TRANSPLANTING:** Mix 1 ounce Hasta Gro with 1 gallon water. Spray foliage and water roots.

## Plant Food PLUS

- Promotes fruiting and blooming
- Increased biological activity
- Prevents salt buildup
- Gentle formulation for foliar application
- Excellent for transplanting
- Promotes root growth

For more information about our products please contact our customer support department at:  
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# Growin Green 3-2-3

## FACT SHEET



### Growin Green

#### Organic Granular Fertilizer

#### GUARANTEED ANALYSIS 3-2-3

Total Nitrogen (N)	3.00%
0.3% Ammoniacal Nitrogen	
1.2% Water Soluble Nitrogen	
1.5% Water Insoluble Nitrogen**	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.00%
Soluble Potash (K <sub>2</sub> O)	3.00%
Calcium (Ca)	2.00%
Total Magnesium (Mg)	0.50%

Derived from Pasteurized Poultry Manure

\*\*1.50% Slow release Nitrogen from pasteurized poultry manure

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## Directions

**LAWNS:** Apply at a rate of 12 lbs per 1000 sq feet. A fertilizer spreader is the easiest to distribute in large areas and ensures even coverage. Growin Green feeds slow and steady for uniform growth, one application lasts 3 to 4 months. It can be applied during the spring, summer or fall.

**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 1 tablespoon of Growin Green as maintenance every other month.

**FLOWERBEDS AND VEGETABLE GARDENS:** Apply at a rate of 30 pounds per 1000 sq feet every other month for maintenance.

**WILDFLOWERS:** Apply at a rate of 15 pounds per 1000 sq feet at planting time and prior to budding out.

**ROSES:** Apply at a rate of 2 ounces per bush.

## All Natural Fertilizer

- 40 lb bag Covers 3000 sq ft.
- Neutral ph
- Trace Minerals
- Long lasting, slow release
- Won't burn
- Quick green up



# Hasta Gro Lawn 12-4-8

## FACT SHEET



### Hasta Gro Lawn

GUARANTEED ANALYSIS 12-4-8	
Total Nitrogen (N)	12.00%
Nitrate Nitrogen	1.4%
Urea Nitrogen	10.6%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.00%
Soluble Potash (K <sub>2</sub> O)	8.00%
Copper (C <sub>u</sub> )	0.05%
.05% Chelated Copper	
Iron (F <sub>e</sub> )	0.50%
.50% Chelated Iron	
Manganese (M <sub>n</sub> )	0.05%
.05% Chelated Manganese	
Molybdenum (M <sub>o</sub> )	0.0005%
Zinc (Z <sub>n</sub> )	0.05%
.05% Chelated Zinc	

Derived from Urea, Phosphoric Acid, Potassium Nitrate, Potassium Hydroxide, Iron EDTA, Manganese EDTA, Zinc EDTA, Copper EDTA & Sodium Molybdate

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## Lawn Fertilizer

- Fast, efficient absorption
- More vigorous lawns from spring to fall
- Increased biological activity
- Complete nutrient uptake for less fertilizer waste
- Instant green up

## Directions

**ESTABLISHED LAWNS:** Mix 1 ounce Hasta Gro with 1 gallon water. If using a hose in sprayer with adjustments, set for 2 tablespoon or 1 ounce per gallon.

Spray a light coat of solution on grass. Do not rinse after applying. Use at least 4 times per year or as often as monthly during the growing season.

**POOR LAWNS:** Mix 1 ounce Hasta Gro with 1 gallon of water. Spray a light coat of solution on grass. Do not rinse after applying. Use monthly during the growing season.



## Dry Humic Acid 20lb bag

- Enhance nutrient uptake
- Enhances soil microbial life
- Improves plant root health
- Decreases salts from soils
- Small granular particles
- Low dust
- Increase overall plant and soil health
- Apply with a fertilizer spreader

# Greens Grade Granular Humic Acid

**0-0-0**

**FACT SHEET**

## Greens Grade Humic Acid

GUARANTEED ANALYSIS 0-0-0

CONTAINS NON-PLANT FOOD INGREDIENTS:

Total Humic Acid (HA) 70.00%

Derived from Oxidized Leonardite

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## Directions

**ROW CROPS:** Apply 75-150 lbs per acre. Best applied in the early spring. Can be applied on all crops.

**VEGETABLES AND FLOWERING PLANTS:**  
Small Gardens, apply ¼ to ½ cup per square foot and mix into the soil.

Large Gardens, apply 1 to 2 lbs per 100 square feet and mix into the soil.

Containers, apply 1 to 2 teaspoons per gallon of soil and mix thoroughly.

**LAWNS:**

Small Lawns, apply 1 lb per 100 square feet

Large Lawn, apply 10 lbs per 1000 square feet

New Lawns, apply 10 lbs per 1000 square feet and mix with soil before seeding or sodding.

Applications can be repeated 3 to 4 times per year.

IT IS RECOMMENDED THAT THE APPLICATION BE MADE BEFORE IRRIGATION OR A RAIN EVENT FOR BEST RESULTS.

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## Beneficial Microbes

### FACT SHEET



Medina Beneficial Microbes is a water soluble powder that contains a concentrated blend of more than 28 naturally occurring microbial cultures adapted to assist in soil improvement, nutrient release, organic decomposition and nutrient recycling. These cultures are grown separately and blended to maintain specific ratios for optimum results. For best results apply with a hose end sprayer or pump up sprayer to soils that are moist and aerated. Apply just before an irrigation or rain event. Applications can be made any time of the year. Beneficial Microbes can be added to aerated compost teas halfway through the brewing process.

### Microbial Cultures & Activators

- Blend of naturally occurring organisms in high concentration
- Increases the efficiency of added fertilizers
- Helps release plant nutrients tied up in the soil, minerals and plant residue
- Aids in nutrient intake into plant roots
- Long stable shelf life (12 months)

### Directions

Mix 1 teaspoon of Medina Beneficial Microbes with a quart of water and agitate for at least 5 minutes. The diluted solution can be saved for up to 12 hours without aeration but should be applied within that period. Spray one quart of solution to 1000 square feet of surface area.

#### RESIDENCIAL USE:

4 ounce jar will treat 24,000 square feet

#### AGRICULTURE USE:

4 ounce jar will treat 10 acres

1 kilo jar will treat 100 acres



## Seaweed 0-0-1

### FACT SHEET



## Seaweed Extract

- Transplant aid
- Improved stress resistance
- Assist in germination and root development
- Improved plant hardiness
- Vigorous root growth
- Can be applied as a soil drench or foliar feeding

### Seaweed

GUARANTEED ANALYSIS 0-0-1  
Soluble Potash (K<sub>2</sub>O) 1.00%

Derived from Ascophyllum nodosum seaweed,  
Humic and Fulvic Acids

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## Directions

**SEED, ROOT AND TRANSPLANT SOLUTION:** Lightly moisten seeds or soak roots with a solution of 1 ounce (2 tablespoon) of seaweed in 1 gallon of water.

After planting seeds or transplants, water in with the same diluted solution.

**FOLIAR SPRAYS:** Foliar sprays are best made during the morning or evening (cooler time of day) Use a solution of 1 ounce (2 tablespoons) per gallon and apply a fine mist until solution drips off the plants. The application can be repeated every 1 to 2 weeks during fruiting and blooming.

**LAWN, FLOWERBEDS AND VEGETABLE GARDENS:** Apply a solution of 2 ounces (4 tablespoons) per gallon of water on a 1000 square feet area.





# Fish Blend 2-3-2

## FACT SHEET



### Fish Blend

GUARANTEED ANALYSIS 2-3-2	
Total Nitrogen (N)	2.00%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.00%
Soluble Potash (K <sub>2</sub> O)	2.00%
Humic Acid	0.50%

Derived from Hydrolized fish emulsion, cane molasses, apple cider vinegar, seaweed extract and leonardite ore.

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## Natural Liquid Fertilizer

**NOW AVAILABLE IN  
QUARTS & GALLONS**

- Natural root growth stimulator
- Vigorous root growth
- Viable source of NPK
- Increases fruiting and blooming
- Fortified with seaweed extract
- Can be applied as a soil drench or foliar feeding

## Directions

**SEED, ROOT AND TRANSPLANT SOLUTION:** Lightly moisten seeds or soak roots with a solution of ½ ounce (1 tablespoon) of liquid fish blend in 1 gallon of water.

After planting seeds or transplants, soak the entire root zone with a solution of 1 ounce (2 tablespoons) per gallon of water.

**FOLIAR SPRAYS:** Foliar sprays are best made during the morning or evening (cooler time of day) Use a solution of 1 ounce (2 tablespoons) per gallon and apply a fine mist until solution drips off the plants. The application can be repeated every 1 to 2 weeks during the entire growing season.

**LAWN, FLOWERBEDS AND VEGETABLE GARDENS:** Apply a solution of 2 ounces (4 tablespoons) per gallon of water on a 500 square feet area. Repeat every 2 to 4 weeks.



## HuMate

### FACT SHEET



## Humic Acid

- Healthier more productive soils, naturally
- Improves moisture retention
- Enhances nitrogen and nutrient release
- Provides micro and macro nutrients
- Improves soil physical properties

### HuMate

#### GUARANTEED ANALYSIS

Humic Acids (lingo proteins) 12.00%

Derived from Leonardite ore

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## Directions

**VEGETABLES AND FLOWERS:** Mix 3 tablespoons per gallon of water. Pour around plants and water into soil. Repeat every 3 to 4 weeks during growing season.

**INDOOR PLANTS:** Use 1 tablespoon per quart of water. Apply with water to soak into soil.

**TREES:** When planting, mix 2 tablespoons per gallon of water. Place root ball in hole and pour on solution. Replace soil, apply solution again and water thoroughly. Use 2 tablespoons HuMate per inch diameter of tree, mix with water, thoroughly soak root area.

**SEEDS:** Soak planting seeds in 1 tablespoon per gallon of water solution until seed skin is penetrated. Plant immediately.



## Natural Cleaner

NOW AVAILABLE IN  
QUARTS & PINTS

- Multi-purpose cleaner/degreaser
- Super concentrated
- Natural and biodegradable

## Orange Oil

### FACT SHEET

Medina Orange Oil contains the raw oil collected from citrus peel during juice extraction. No heat is applied during this "cold pressed" process thereby preserving the integrity of the oil. Orange Oil has been discovered to be an important ingredient in a variety of household and gardening applications.

### Directions

FOLIAR APPLICATION: Mix 2 ounces per gallon of water. Apply during the cooler part of the day to prevent burning of plant foliage.

SOIL DRENCH: Mix 4 ounces per gallon of water.

CLEANING SOLUTION: Mix 2 ounces per gallon of water. Diluted solution may be used as a natural household cleaner. Test on small area before use. For cleaning tar, heavy grease, paint brushes and sealants you can use higher concentrations.



## Compost Starter

- 100% natural
- Environmentally safe
- Faster startup time of compost piles

## Compost Starter

### FACT SHEET

Compost Starter is a natural biological activator for use with compost piles and solid organic wastes. Compost Starter contains specific bacterial 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

Mix ½ oz. Compost Starter with 1 gallon of water and spray evenly over each 90 gallons of material to be composted. Mix or agitate material after application if possible. For faster results when composting leaves, use the Medina Compost Nutrients.

Mix or agitate material after application.



## Medina Molasses

### FACT SHEET

### Directions

GENERAL: Shake well and mix 1 ounce (2 tablespoons) per gallon of water to use as a soil stimulator.

TURF: Use 3 to 12 ounces per 1000 square feet. This application can be repeated every 2 weeks as needed.

AGRICULTURE: Use up to 2 gallons per acre.

COMPATIBILITY: Molasses is compatible with most natural biological soil stimulators. Some chemical fertilizers, herbicides and pesticides may reduce the effectiveness of this product.

### Feed your soil

- Provides a natural food source for indigenous microbial populations in the soil
- Recommended for all types of plants, crops and turf
- Derived from non-GMO sugar cane



## **BOC**

### **Biological Odor Control**

#### **FACT SHEET**



Odors are caused when living organisms decay and rot, giving off gas and noxious fumes. The presence of odors usually means there is an imbalance in the natural decaying process. The best way to control odors is by controlling the microbial activity and balance. BOC quickly gets rid of odors by balancing the microbial activity and keeps odors from returning. It contains safe biological activators that supercharge the naturally occurring biological reduction process. BOC changes foul smelling anaerobic decomposition conditions to odorless aerobic decomposition conditions. Use BOC to control or manage odors throughout the house including the bathroom, kitchen, closets, garage, pet areas, trash pails, fireplace, carpets, sinks, automobiles and anywhere else odor is a problem.

### **Odor Control**

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

### **Directions**

Ready to use, no mixing required. Just 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 as needed.



## Septic Tank Activator

- 100% Natural
- Environmentally Safe
- Will not harm pipes
- Will not contaminate soil
- Helps prevent clogging
- Reduces odors
- Digests Waste
- Eats grease

## Actina Septic Tank Activator

### FACT SHEET

Actina increases the natural biological activity of microbes present in sewage. It contains biological activators derived from a fermentation process. This increase in the activity and numbers of organisms can help speed up the digestion of wastes and release enzymes that break down grease and other complex wastes.

### Directions

**SEPTIC TANKS, CESSPOOLS AND DRAIN FIELDS:** For every 4 people using the system, flush one quart of Actina down any drain leading to the tank. Add one more pint one week later, then one cup each month for preventative maintenance. This low cost preventative maintenance program may help to preserve the useful life of your septic system and reduce the need to pump out solids.

**ODOR CONTROL:** Use  $\frac{1}{4}$  cup of Actina to reduce odors in garbage disposals, drain pipes or other odor releasing areas.

**DOG RUNS, FEED LOTS AND CHICKEN PENS:** Spray with one pint of Actina mixed with one gallon of water (covers 1000 square feet)



## Natural Septic Starter

- Non-corrosive
- Environmentally Safe
- Will not harm pipes
- Will not contaminate soil
- Natural biological activator

## Septic Tank Starter

### FACT SHEET

Medina septic tank starter is made up of dry bacteria and fungi formulated to digest grease and wastes in the septic system. Septic tank starter is ideal for sluggish systems that are low in microbial activity and new or recently pumped systems. Septic tank starter contains specific bacteria and fungal cultures for degrading organic wastes.

### Directions

SEPTIC TANKS: Mix 1 ounce Septic tank starter in approximately ½ gallon of warm water. Pour into commode or sinks, flush commode once. Apply at end of day or during off-peak use times to allow solution ample working time. For faster results and maximum odor reduction, use Actina Septic tank activator.