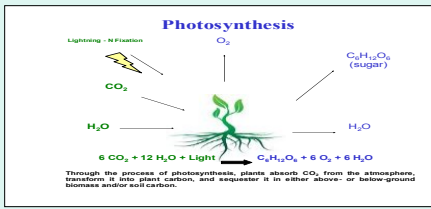


FERTILE BLENDS

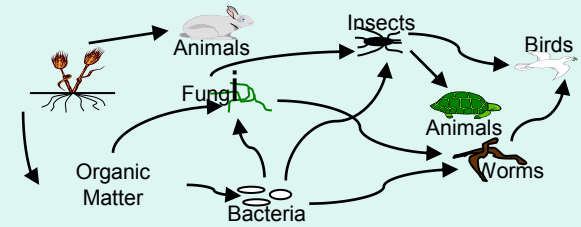
Following Nature's Rules to Maximize Quality Growth



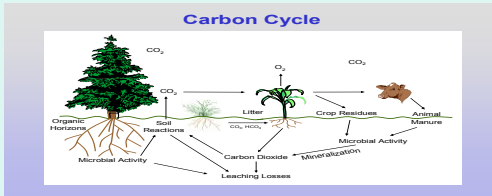


Photosynthesis

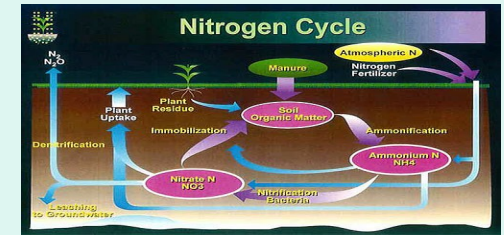
Natures Food Chain



Micro-organisms



The Carbon Cycle

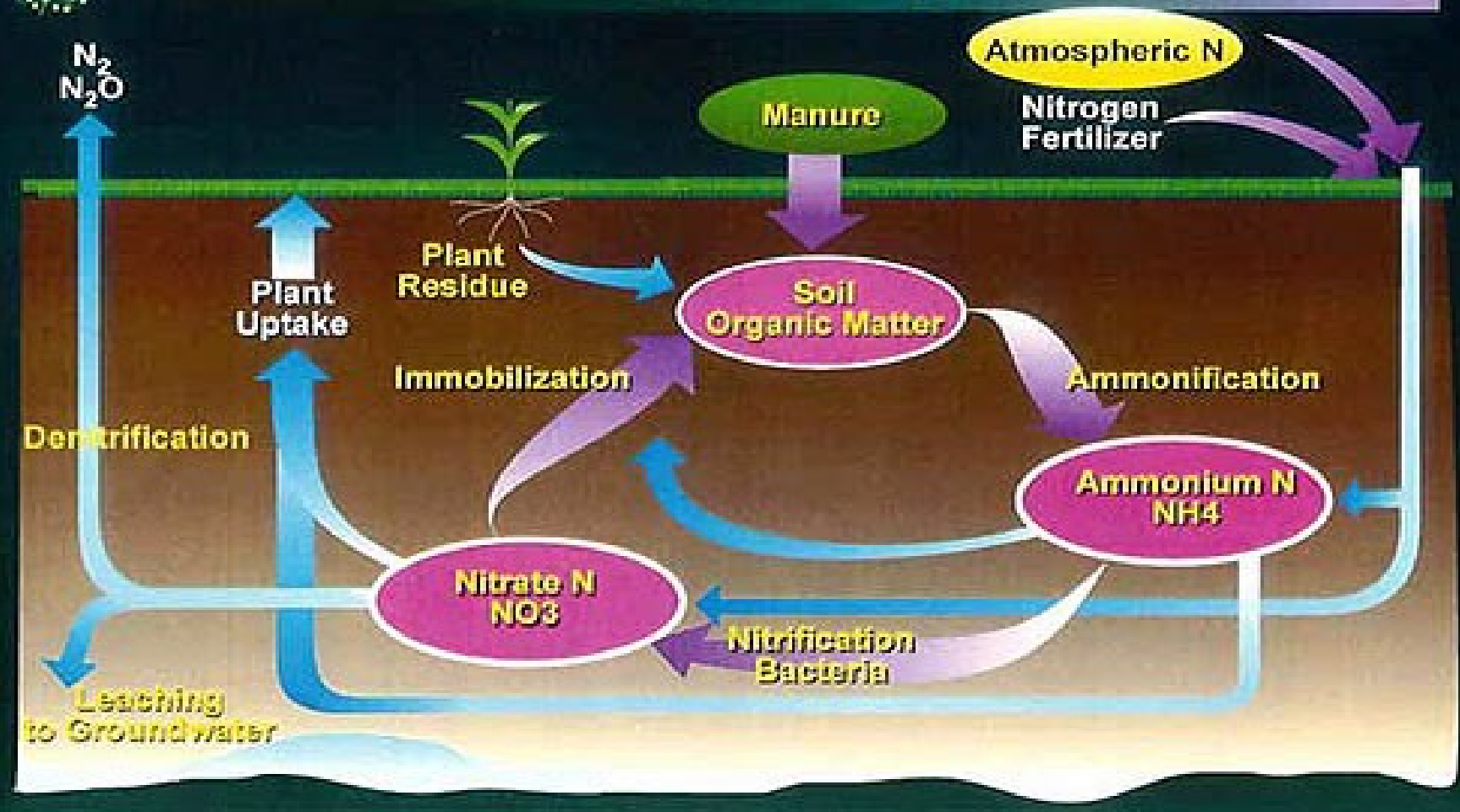


The Nitrogen Cycle

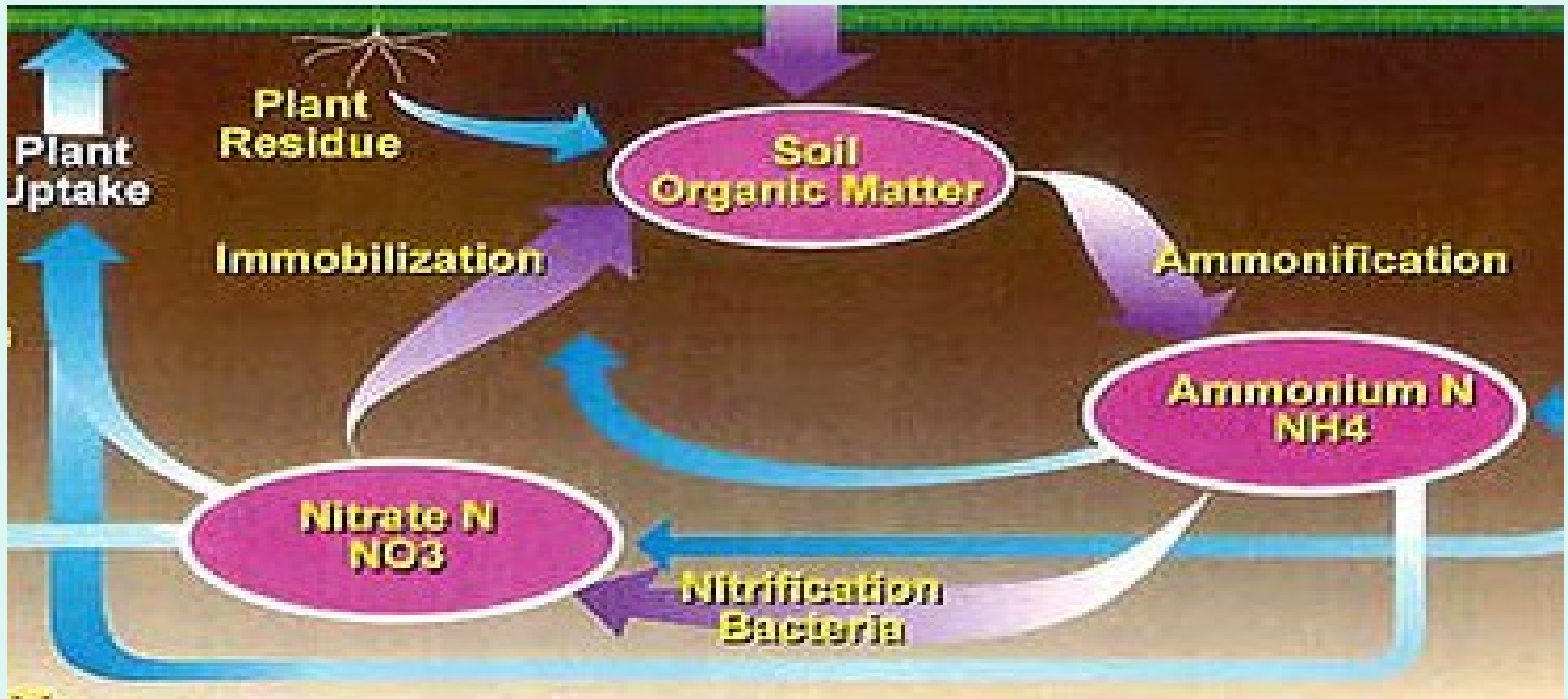
Providing “Finished Food” (which eliminates the need of the plants food chain process) and Completing:

- Non-mineral nutrients: these are Hydrogen (H), Oxygen (O), and Carbon (C).
- Photosynthesis: changing nutrients into starches and sugars.
- Encouraging the symbiotic relationship between plants and micro-organisms for a Sustainable Growing cycle.

Nitrogen Cycle



Unlike other forms of life, all food that comes to plants has to be in the form of non-mineral nutrients; these nutrients are Hydrogen (H), Oxygen (O) and Carbon (C). Working within the Carbon Cycle, plants must make food through Photosynthesis, which then works through the plants' main source of food coming from the Nitrogen Cycle. This process requires the help of beneficial micro-organisms to make “finished food” from synthetic and organic food sources.



In an ideal world, these natural cycles could sustain plant life. In the real world, nitrifying bacteria and micro-organisms must turn both synthetic and organic fertilizers into nitrates (NO₃) to be accepted by the plants as food. Soil and atmospheric conditions must also cooperate for the plant to grow without stress. Fertile Blends gives plants “finished” natural compounds to grow stress free and have time to finish food on their own.

FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

TensoMax Plus

SETTING THE FOUNDATION FOR SUCCESS

- LIQUID AERATOR - MAXIMIZING IRRIGATION
- DETHATCHER
- ROOT STIMULATOR

Presentation: Liquid or

Dry – Organic Mined Minerals™ - Humate Select with

TenoMax Plus

FulMax

GreenMatic

NutriMatic

GrowMatic

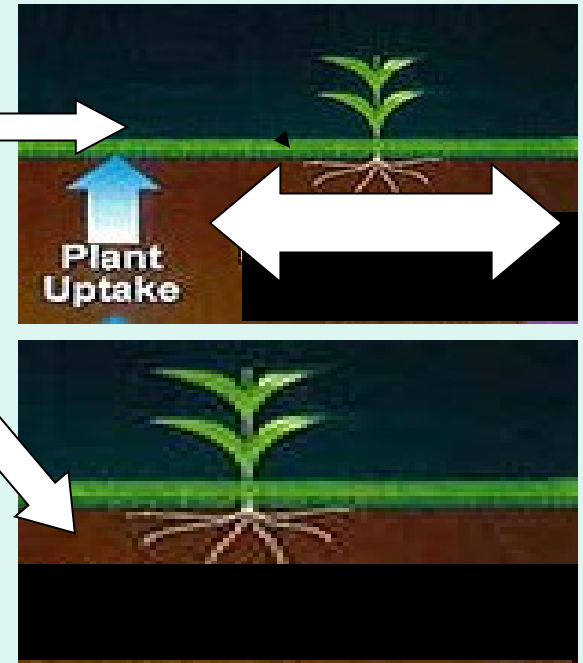
HumiGrow

TensoMax Plus

LIQUID AERATOR - DETHATCHER

The root zone is where Fertile Blends concentrates its' initial efforts for a quality crop yield. In order to lay this foundation we need to create a favorable soil environment for the maximum root development and nutrient uptake.

TensoMax Plus Liquid Aerator – Dethatcher, combined with a Humate Bio-Stimulating Nutrient is the first step in creating the perfect stress free growing environment that will produce a successful quality crop.



**Without
TensoMax**



**With
TensoMax**

FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

FulMax

FulMax NUTRIENTS ARE THE SAME TYPE OF “FINISHED FOOD” THAT PLANTS MAKE ON THEIR OWN WHEN THEY FOLLOW THEIR NORMAL COMPLETE GROWTH CYCLE

- **PROVIDING FINISHED NUTRIENTS**
- **PLANTS CAN EASILY ABSORB THEM THROUGH THE LEAVES AND ROOTS**
- **ALLOWING PLANTS TO WORK STRESS FREE WITH MAXIMUM GROWTH**

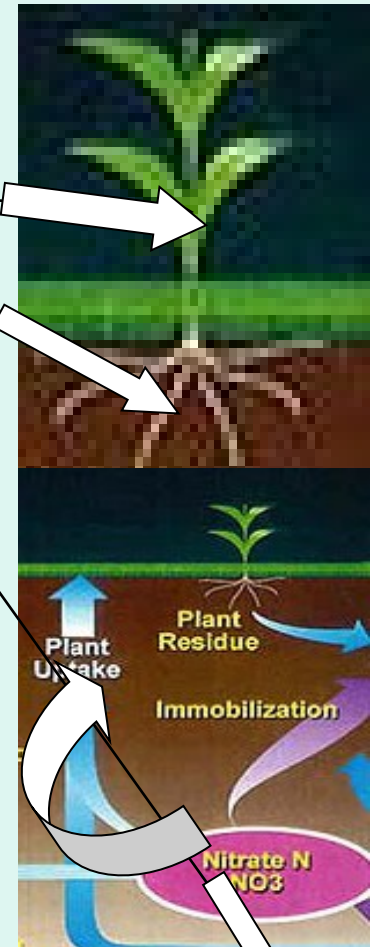
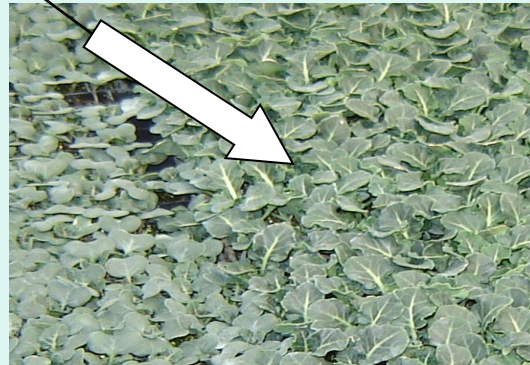
FulMax

Foliar and Radicular Bio-Stimulator

FulMax Bio-Stimulator allows you to grow as if you were giving the plant all the nutrients it would need in a stress free growing environment.

FulMax contains finished nitrates and trace minerals which the plants can readily uptake and begin using immediately.

Since the amino, humic and fulvic acids are recognized by the plants as nutrients, FulMax can also be used as a Tank-Mix to introduce other nutrients and fertilizers. Use FulMax as a growth regulator for fast growing quality plants.



No need to lower standards



FulMax Bio-Stimulator

FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

GreenMatic

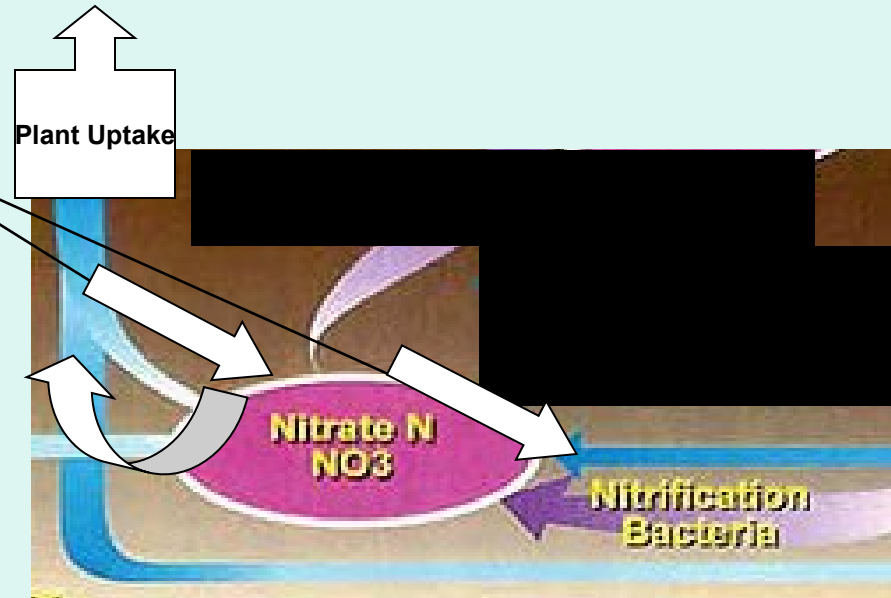
- **NITROGEN CONVERTER**
- **CALCIUM / HUMATES RAPIDLY CONVERT (N) to (NO₃)**
- **GIVES PLANTS FINISHED USABLE NITROGEN**
- **LONGER LASTING COLOR AND DENSE FOLIAGE**

GreenMatic

GreenMatic with its combination of Calcium and Humates, allows Nitrogen to be quickly converted into nitrates (NO₃) and be taken in by the plant. In addition tests have proven that the combination of Humates and Calcium prevents nutrients from leaching and being wasted in the soil.

Nitrates are the finished product of both organic and synthetic fertilizers, and are the last step that is needed for the plant to take it as a nutrient.

GreenMatic produces long lasting Color and Density.



FERTILE BLENDS

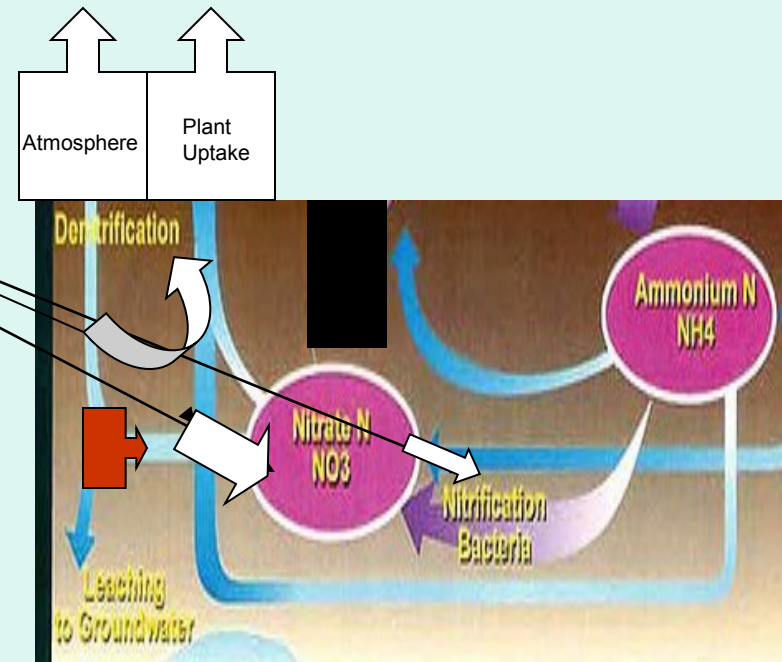
I R R I G A T I O N & N U T R I O L O G Y

NutriMatic

- CHELATED NITROGEN – PHOSPHORUS – POTASSIUM AND HUMATES ARE MADE AVAILABLE TO PLANTS
- SLOWS THE ABSORPTION PROCESS TO DISCOURAGE LEACHING OF NITROGEN

NutriMatic

NutriMatic was developed to help prevent the leaching and the denitrification of urea. Carbon based humates containing chelated (proven to be used by the plant) macro- and micro-nutrients hold the nitrogen so that it can do its' job and not be wasted.



NutriMatic helps hard working micro organisms provide food so that the plants can produce leaves, fruits, nuts and vegetables throughout their growing season. NutriMatic is field and university tested, with 30 years of proven results.

FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

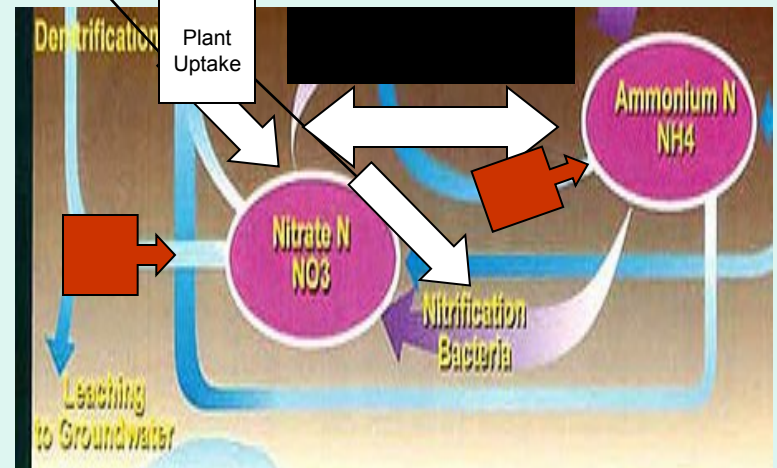
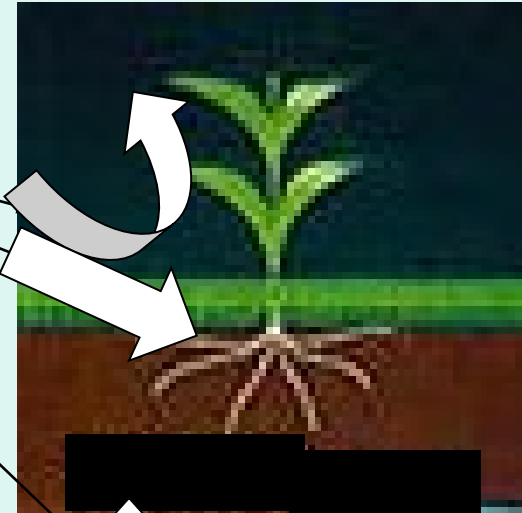
GrowMatic

- CHELATED HUMATES TO PROMOTE ROOT GROWTH
- HUMATES TO PROMOTE OVERALL GROWTH
- FINISHED HUMATES TO FEED MICRO-ORGANISMS

GrowMatic

GrowMatic is a stand-alone bio-stimulator, containing humates and chelated macro- and micro-nutrients to maximize your plants' roots and overall growth potential.

GrowMatic humates have been field and university tested to chelate and slow-release nitrogen and nutrients when NPK fertilizers are added. The carbon to Nitrogen Ratio of GrowMatic allows the slow release of Nitrogen to suppress leaching.



FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

EnziMatic

- **FINISHED ENZYMES OF BENEFICIAL MICRO-ORGANISMS**
- **RAPIDLY COMPOSTS ORGANIC MATTER**
- **TURNES ORGANIC MATTER INTO HUMUS**
- **HUMUS IS THE FOOD OF BENEFICIAL ORGANISIMS**

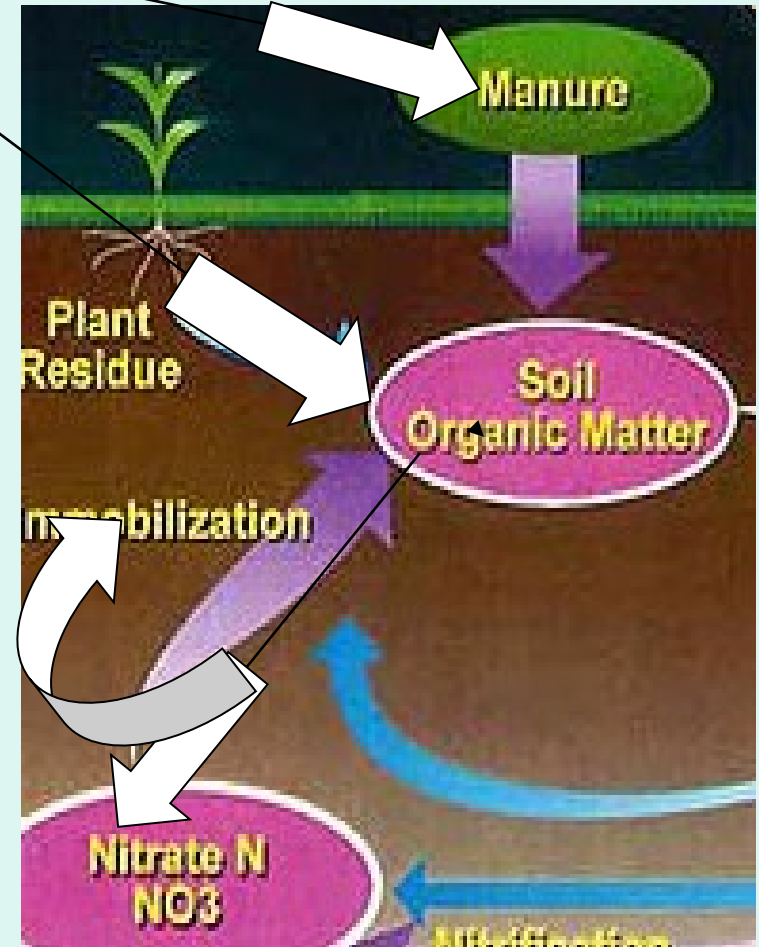
EnziMatic

Compost Accelerant - Dethatcher

In nature, composting is done as a two stage process. Organic matter has to be broken down by natural decomposition so that it can go below the surface where enzymes can finish the job of composting and turning it into humus. Since the microorganisms are one celled animals, they have no choice but to produce enzymes outside their bodies to perform this task.

EnziMatic is a compound that contains millions of enzymes which compost organic matter and finish the composting process in one month instead of several years. When EnziMatic is applied at the surface level, it breaks down manure and small particles of organic matter so that they can travel below the surface. Once the particles are below the surface, the enzymes mimic nature, complete the composting process, and create humus for the microorganisms, and food for the plant.

EnziMatic reduces the natural composting process that normally takes years into one month and can perform this function while you are introducing plants or seed to the surface. Enzymes do not break down live organic matter.



Water Uptake 35

University Tested – Proven to:

- **Water Uptake 35 aggregates can rapidly absorb 15% water in 10 minutes and 20% water in less than 2 hours**
- **Water that is rapidly absorbed is readily available to plants**
- **Water Uptake 35 aggregates - has been proven to slow release fertilizer and retain 35% water in 2 hours and a total of 38% of their weight in water after 72 hours**

Water Uptake 35

Maximizing the application of water will continue to be a problem for all communities no matter where you live

When you add Fertile Blends Water Uptake 35 absorbing aggregates to your soil - you are adding a slow release water storage system to your growing program - and providing a slow release bio-stimulator that will that will continue to feed your plants long after traditional fertilizers have been applied - used by the plant - or evaporated

FERTILE BLENDS

I R R I G A T I O N & N U T R I O L O G Y

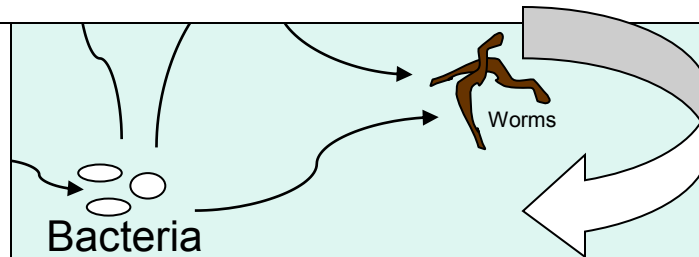
HumiGrow

- **FINISHED HUMUS FOR BENEFICIAL MICRO-ORGANISMS**
- **CONDITIONS SOIL**

- **KEEPS WORKING AFTER APPLIED FERTILIZERS AND NUTRIENTS HAVE BEEN USED BY THE PLANTS**

HumiGrow

**A food source for micro organisms
that work with Mother Nature
for consistent quality growing**



**The importance of HumiGrow for a sustainable growing program is Humus which is the major component of soil organic matter, and is best described as a brown to black matrix of humic substances produced by the decay of organic matter. Humic substances can be divided into three major groups:
Humins, Humic Acid and Fulvic Acid**

Collectively they function as follows:



Soil: physical properties

Humates facilitate a physical modification of soil structure and texture, thus improving aeration and moisture holding capacity to support beneficial microbial activity.



Soil: chemical properties

HumiGrow and humates have an effect on the cation exchange capacity (CEC) of the soil, therefore reducing the loss of applied nutrients from leaching and runoff.



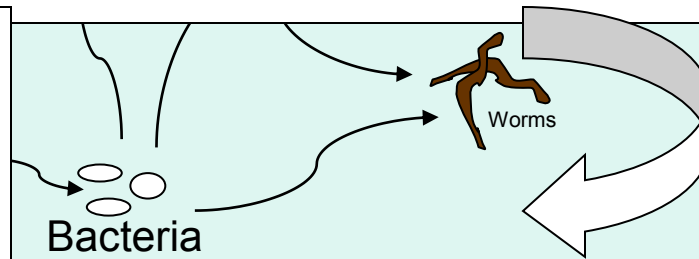
Biological: properties

HumiGrow serves as a food source for certain micro organisms which in their symbiotic relationship with the plant's roots, stimulates root development resulting in total growth stimulation.

HumiGrow

Beneficial Micro Organisms

**HumiGro Plus - replenishing
Humus in the soil, combined
with beneficial micro-organisms
for sustainable growing**



The importance of beneficial micro-organisms living in your soil is the goal of sustainable agriculture. The benefits are enormous. The soil works as Mother Nature intended. The soil is able to create its' own fertilizer and nutrient factory, and provide food for micro-organisms and plants. By adding HumiGrow Plus to your soil you are introducing five beneficial micro-organisms

Collectively they are:



1. Trichoderma

**Trichoderma turns organic matter into humus,
and protects seeds and roots of plants from damaging
bacteria and fungus**



2. Azotobacter
3. Azospirillum

Beneficial micro-organisms that allow – grass, shrubbery, and trees to fix nitrogen from the air. These two micro-organisms also produce compounds that promote growth in plants.



4. Microrriza

This beneficial micro-organism makes Phosphorus and Potassium soluble so that the compounds can be used by the plants.

A photograph of a vibrant green lawn with a white rectangular text box centered on it. The text box contains the title '5. Metarhizium' and a descriptive paragraph.

5. Metarhizium

The last of the micro-organisms found in HumiGrow Plus protects plants from damaging insects (grub worms, wireworms, cut worms ect.).



Grow Responsibly with Fertile Blends

FERTILE  **BLENDS**

I R R I G A T I O N & N U T R I O L O G Y

Thank You

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Telephone: (210-601-2107)