

Effective Organic Nutrition for a Premium Crop!
Powered by MICRO CARBON TECHNOLOGY®



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www.Fertilgold.com

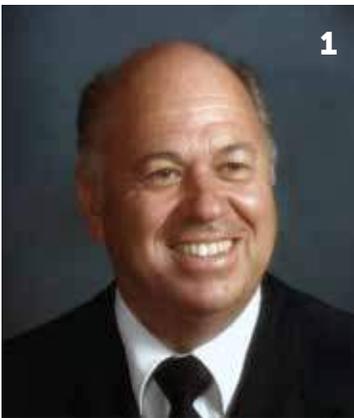
WHAT, WHY, HOW, & WHO



WHAT DO WE DO? *We empower others through humic substances.*

WHY? *We are driven to enhance the quality of life.*

HOW? *With our products, we Investigate, Innovate, Implement, and Improve. In business relationships, we relentlessly pursue excellence through proactive innovation, seek win-win-win outcomes, and conduct all transactions with uncompromising integrity.*

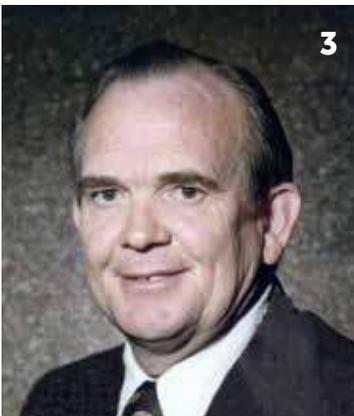


Who We Are:

Fertilgold® Organics is a product line of liquid and dry plant nutrition and specialty agriculture input products. Fertilgold® products are unique due to a proprietary “complexing” process that combines nutrients with very small organic particles that allow the nutrients to be absorbed into the plant at an efficiency rate far higher than other competitive products. These small organic particles are referred to as “Micro Carbon Technology®” (MCT). Fertilgold® products with MCT allow nutrients to be delivered with extreme precision—increasing overall efficiency and effectiveness, more than any other product on the market. The results are a higher yield of a more premium quality crop.



Fertilgold® Organics is one of several brands of Bio Huma Netics, Inc.® (BHN), located in Gilbert, Arizona. BHN was founded under the name Sunburst Mining Company in 1973 by Dr. Jordan Smith¹, Don Organ², and Delworth Stout³. These men discovered a unique oxidized humate material in a mine in the northwestern United States. This material was rich in natural organic compounds and minerals. When it was first applied to farm soils as a dry compound, it improved soil conditions, accelerated nutrient uptake, enhanced crop vigor, and increased yields.



By 1984, Sunburst Mining had become Bio Huma Netics, Inc.® and had developed a proprietary process to extract organic acids, valuable minerals, and other organic components from the mined material. This extract contains the base of MCT that is the foundational ingredient used in all of the liquid Fertilgold® products.

Fertilgold® products are being constantly refined and improved. These highly sustainable liquid and dry solutions allow growers to control their crop with unparalleled precision by utilizing sustainable soil fertility, ultra-efficient crop nutrition, zero-residue crop protection, and carbon-rich organic acids.

ORGANICS THAT DELIVER!

NO MORE waiting around for ineffective organic fertilizers to do their job. Fertilgold® Organics, powered by Micro Carbon Technology®, offers a FULL LINE of EFFECTIVE products that have been designed to deliver true organic nutrition exactly when, where, and how your crops need it.



Highly Effective, Carbon-Based

Carbon is fundamental to plants, soil, and soil microorganisms—an essential component to life. It has been said that “**Healthy Microorganisms = Healthy Soil = Healthy Plants = Greater Yields,**” and carbon forms the bridge between each of those. All of our liquid products use a carbon-based carrier to bring nutrients to soil microbes and into the plants themselves. Because plants and microbes are, fundamentally, carbon processors, our carbon-complexed nutrients are taken in faster and more effectively than other liquid fertilizers.



Versatile and Clean

Our liquid products can be applied directly to the roots, added via irrigation/fertigation/hydroponic systems, or foliar applied through spray or misting systems; can be applied with existing equipment; and can be used in both soil and soil-less systems. Fully water soluble, our liquid products can be mixed with most other organic crop inputs to save application time and cost. Our dry granular humic/fulvic acid products can be soil-applied in a variety of ways to build long-term soil fertility.

Full Line of Products

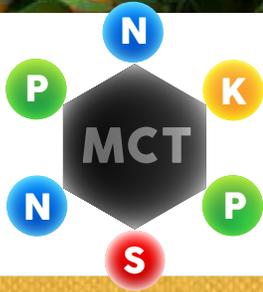
Crops need specific nutrition at different stages of growth. Fertilgold® Organics offers a comprehensive line of over 25 OMRI-Listed organic crop nutrition and protection products to meet those needs. We offer liquid plant nutrition products for immediate results at appropriate crop growth stages, dry humic and fulvic soil products for long-term soil-fertility building, and liquid biopesticide products for soil and foliar application.



Fertilgold® provides organic crops with balanced, consistent, precision organic nutrition at each stage of growth, so that crops do what growers want them to do when they want them to do it. Our natural approach to organic plant nutrition promotes soil biodiversity, vigorous plant growth and fruiting, and maximum quality and yields without putting harmful chemicals into the environment.

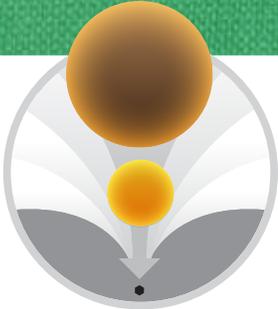
Plants take full advantage of Fertilgold® Organics liquid nutrition immediately upon application without waiting for the nutrients to be broken down and made available, as is necessary with conventional granular and most organic fertilizers.

WHAT IS MICRO CARBON TECHNOLOGY®?



Micro Carbon Technology® (MCT) is a proprietary blend of extremely small organic carbon- and oxygen-rich molecules that act as a source of carbon and provide an ultra-efficient vehicle to move nutrients and other molecules into the plant through the soil and/or the leaves.

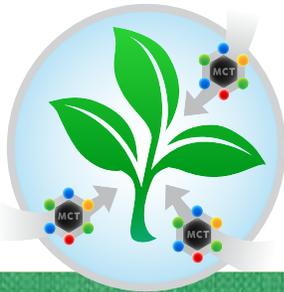
MCT has very small carbon molecules that do not need to be broken down before they can be utilized by the plant. MCT allows the carbon and complexed nutrients to be instantly absorbed and used to fuel essential plant functions.



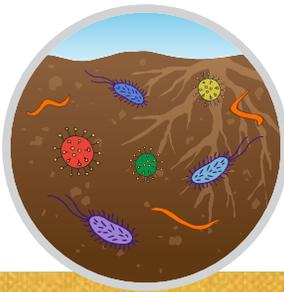
HUMIC ACID
1,000s of carbon rings

FULVIC ACID
100s of carbon rings

MCT
Fewer than 10 carbon rings



Increase Nutrient Uptake
MCT transports nutrients immediately into the plant through leaf and root. Nutrients that were previously tied-up in the soil are now made available for plant uptake.



Improve Soil/Biodiversity
MCT enhances the activity and diversity of beneficial microbes in the soil and improves soil physical characteristics, creating a more healthful and sustainable environment in which plants can thrive.



Instantly Available Carbon
All plants require significant amounts of carbon. MCT is an immediately available source of carbon that is able to be used by plant roots, leaves, and soil microbes without needing to be broken down.



Increase Nutrient Levels
Crops that are fed nutrients powered by MCT are proven to have higher nutrient values at the time of harvest, which has the added benefit of improving shelf-life, produce quality, and overall taste and appearance.



Improve Plant Health
Since MCT allows nutrients to be utilized by the plant immediately, nutrient deficiencies are quickly resolved. Readily available MCT allows the plant to utilize energy for plant growth rather than carbon production.



Positive Environmental Impact
Since MCT is absorbed immediately, there is very little nutrient leaching that occurs. Additionally, the unique properties of MCT help to rejuvenate soils naturally.

SOIL

Fertilgold[®] SOIL

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Soil is an organic soil product derived from soy protein hydrolysate, ferrous sulfate, manganese sulfate, and zinc sulfate (N 5.00%, Fe 0.10%, Mn 0.05%, and Zn 0.05%, with 29.0% organic matter). Fertilgold[®] Soil improves soil structure and enhances the beneficial soil microbial community. This balances the carbon-oxygen ratio, creating a carbon-rich soil with an active rhizosphere. Fertilgold[®] Soil increases availability of nutrients blocked by mineralization in soils and indirectly helps to diminish the stress of saline soils and pH extremes.



BENEFITS OF USE:

- Improves the soil environment for aerobic biological growth and diversity
- Builds rich humus in all soil types
- Flocculates clay particles in soil for better aeration
- Increases water-use efficiency
- Buffers salts in high alkaline or sodium soils
- Increases nutrient availability at all soil pH levels
- Encourages root mass development

MACRONUTRIENTS

Fertilgold[®] 3-2-4

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] 3-2-4 is a balanced organic NPK product derived from soy protein hydrolysate, fish protein hydrolysate, and potassium sulfate (N 3.0%, P₂O₅ 2.0%, and K₂O 4.0%, with 22.0% organic matter). Fertilgold[®] 3-2-4 provides excellent foliar and soil nutrition. It can be foliar-applied according to label directions without risk of phytotoxicity. Fertilgold[®] 3-2-4 provides an excellent foundation for seed germination and plant flowering, as well as grain fill, fruit sizing, and preharvest uniformity.



BENEFITS OF USE:

- Provides quick NPK crop response
- Can be applied foliarly without risk of phytotoxicity
- Resists tie-up in the soil
- Resists nitrogen leaching and volatilization
- Can be effectively tank-mixed with other crop inputs
- Moves with irrigation water to aid in proper placement

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] N-5.5



Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] N-5.5 is an organic nitrogen source derived from soy protein hydrolysate (N 5.5%, with 23.0% organic matter) that can be foliar-applied, according to label directions, without the risk of phytotoxicity. It can also be soil-applied for nitrogen release, maintaining stability in the root zone. It reduces nitrogen losses from leaching and volatilization. Nitrogen is an essential element of all the amino acid production within plants, which forms the structures and building blocks of plant tissue. It also enhances cellular respiration that promotes a longer productive crop life.

BENEFITS OF USE:

- *Effectively treats nitrogen deficiency symptoms*
- *Provides quick crop response*
- *Can be applied foliarly without risk of phytotoxicity*
- *Resists nitrogen leaching and volatilization*
- *Can be effectively tank-mixed with other crop inputs*
- *Moves with irrigation water to aid in proper placement*

Fertilgold[®] NK



Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] NK is an organic nitrogen and potassium product derived from soy protein hydrolysate and potassium sulfate (N 3.0%, K₂O 4.0%, S 1.0%, with 19% organic matter). Fertilgold[®] NK provides excellent foliar and soil nutrition and can be foliar-applied according to label directions without risk of phytotoxicity. This nitrogen-potassium combination provides crops with a phosphorus-free nutrient boost. The potassium promotes internal cellular strength for fruit development and maturity while helping to regulate the movement of water and nutrients within the plant. The nitrogen enhances cellular respiration that promotes a more productive crop life.

BENEFITS OF USE:

- *Provides quick nitrogen and potassium crop response*
- *Can be applied foliarly without risk of phytotoxicity*
- *Resists tie-up in the soil*
- *Resists nitrogen leaching and volatilization*
- *Can be effectively tank-mixed with other crop inputs*

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold® K-6



Carbon-complexed with Micro Carbon Technology®, Fertilgold® K-6 is an organic potassium product derived from potassium sulfate (6.0% K₂O and 2.0% sulfur, with 4.0% organic matter) that effectively maximizes potassium uptake by plants. Potassium promotes internal cellular strength for fruit development and maturity, and it helps to regulate the movement of water and nutrients within the plant.

BENEFITS OF USE:

- Effectively treats potassium deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs
- Is a non-salt-contributor and does not contain chloride
- Resists tie-up in the soil



For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

SECONDARY MACRO & MICRONUTRIENTS

Fertilgold® B

Carbon-complexed with Micro Carbon Technology®, Fertilgold® B is an organic boron nutrient derived from disodium octaborate (B 3.0%, with 0.2% organic matter). Fertilgold® B ensures maximum assimilation of boron, which is essential for cell membrane function, nodule formation, flower initiation and pollen development, and development of seed and fruit. Most legumes, as well as several fruits and vegetables, are highly responsive to boron.



BENEFITS OF USE:

- Effectively treats boron deficiency symptoms
- Provides quick crop response and can be applied just prior to actual crop need
- Can be applied foliarly (according to label directions) without risk of phytotoxicity
- Can be effectively tank-mixed with other organic crop inputs
- Resists tie-up in the soil and remains available through the plant root system

Fertilgold® Ca

Carbon-complexed with Micro Carbon Technology®, Fertilgold® Ca is an organic nitrogen-free calcium nutrient derived from calcium chloride (Ca 8.0%, with 0.1% organic matter). Calcium is a required nutrient for cellular strength and growth, plant health, and fruit development. Fertilgold® Ca provides calcium without the nitrogen associated with other calcium products, allowing plants to benefit from calcium nutrition for fruiting without the nitrogen stimulus for vegetative growth. With Micro Carbon Technology® as the delivery mechanism, Fertilgold® Ca moves freely up and down the plant vascular system.



BENEFITS OF USE:

- Nitrogen-free calcium nutrient product for foliar application
- Effectively treats calcium deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] Co

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Co is an organic cobalt nutrient derived from cobalt sulfate (Co 5.0%, S 2.5%, with 1.0% organic matter). Fertilgold[®] Co ensures efficient and effective uptake of cobalt, which is a micronutrient essential for nodulation of legumes, microbial function, and recovery from plant stress. It is the central element of the B-12 vitamin.



BENEFITS OF USE:

- Effectively treats cobalt deficiency symptoms
- Essential element for nodulation or nitrogen fixation in legumes
- Buffers excessive ethylene concentrations in plant tissue, preventing the production of abscisic acid and premature fruit drop
- May assist in overcoming stress caused by over-application of herbicides and pesticides
- Can be effectively tank-mixed with other inputs
- Resists tie-up in the soil

Fertilgold[®] Cu

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Cu is an organic copper nutrient derived from copper sulfate (Cu 5.0%, S 2.0%, with 4.0% organic matter). Fertilgold[®] Cu ensures efficient and effective uptake of copper, which is a micronutrient involved in many plant metabolic processes including photosynthesis, enzyme activity, protein metabolism, nitrogen regulation, and plant vigor. Copper deficiency affects grain, seed, and fruit formation.



BENEFITS OF USE:

- Effectively treats copper deficiency symptoms
- Provides quick crop response and can be applied just prior to actual crop need
- Can be tank-mixed with other organic crop inputs
- Increases enzyme activity in the metabolism of plants
- Has a regulatory effect when soil nitrogen is high
- Has a role in the production of Vitamin A and functions in chlorophyll formation
- May be used with sulfur to improve plant tolerance of environmental stresses

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] Fe

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Fe is an organic iron nutrient derived from ferrous sulfate (Fe 5.00%, S 2.00%, with 6.00% organic matter). Fertilgold[®] Fe ensures maximum assimilation of iron, a key micronutrient involved in photosynthesis that also enables other biochemical processes such as respiration, symbiotic nitrogen fixation, and transfer of ATP within the plant.



BENEFITS OF USE:

- Relieves chlorotic symptoms of iron-deficient plants
- Provides quick crop response and can be applied just prior to actual crop need
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs
- Resists tie-up in the soil and remains available through the plant root system

Fertilgold[®] Mg

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Mg is an organic magnesium nutrient derived from magnesium sulfate (Mg 5.0%, S 6.0%. with 0.4% organic matter). Fertilgold[®] Mg ensures maximum assimilation of magnesium, which is essential to photosynthesis. Magnesium is also an activator of enzymes involved in the production and use of ATP—which plays a key role in respiration—and is needed for the creation of DNA and RNA.



BENEFITS OF USE:

- Effectively treats magnesium deficiency symptoms
- Regulates the uptake of other plant nutrients
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs
- Resists tie-up in the soil

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] Mn

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Mn is an organic manganese nutrient derived from manganese sulfate (Mn 5.0%, S 3.0%, with 2.0% organic matter). Fertilgold[®] Mn ensures efficient and effective uptake of manganese, which is a micronutrient involved in many plant metabolic activities including photosynthesis, enzyme activity, and nutrient regulation.



BENEFITS OF USE:

- Effectively treats manganese deficiency symptoms
- An enzyme activator that aids in chlorophyll synthesis
- Essential for assimilation of carbon dioxide in photosynthesis
- Activates the lipid enzymes
- Functions in the formation of riboflavin, ascorbic acid, and carotene
- Improves formation of lateral roots

Fertilgold[®] Mo MoN

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Mo is an organic molybdenum nutrient derived from sodium molybdate (Mo 5.0%, with 0.5% organic matter). Fertilgold[®] MoN is formulated similarly to Fertilgold[®] Mo but also contains 1% Nitrogen derived from soy protein hydrolysate. Fertilgold[®] Mo and Fertilgold[®] MoN ensure efficient and effective uptake of molybdenum, a micronutrient necessary in enzyme activities and particularly in nitrogen metabolism.



BENEFITS OF USE:

- Effectively treats molybdenum deficiency symptoms
- Essential for nitrogen fixation
- Is a co-enzyme necessary to transform nitrogen to amino acids for protein synthesis
- Is essential for the functions of symbiotic nitrogen-fixing bacteria
- Provides quick crop response and can be applied just prior to actual crop need
- Can be applied foliarly
- Can be effectively tank-mixed with other crop inputs

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] Zn

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Zn is an organic zinc nutrient derived from zinc sulfate (Zn 10.00%, S 4.0%, with 1.00% organic matter). Fertilgold[®] Zn ensures maximum assimilation of zinc, which is essential for cell multiplication and plays an important role in water uptake, phytohormone activity, and the uptake of other nutrients. Zinc nutrition plays a central role in a number of plant defenses against environmental stresses.



BENEFITS OF USE:

- Effectively treats zinc deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other organic crop inputs
- Resists tie-up in the soil

Fertilgold[®] MICROS I

Carbon-complexed with Micro Carbon Technology[®], Fertilgold[®] Micros I is a highly stable liquid organic micronutrient formulation (B, Cu, Fe, Mn, Mo, Zn, and S plus 1.0% organic matter) that is balanced for proper micronutrient ratios, leaf friendly, and salt buffered. Although only required in small quantities, micronutrients are essential for crop production. Lack of micronutrients may disturb photosynthesis and many other physiological and metabolic functions of plants.



BENEFITS OF USE:

- A highly stable, balanced, liquid organic micronutrient formulation
- Improves plant vigor
- Resists tie-up in the soil
- Provides quick crop response and can be applied just prior to actual crop need
- Can be applied without risk of phytotoxicity

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold® dry humates are natural humic and fulvic acid products processed from naturally occurring, oxidized lignite. They provide a concentrated source of humic and fulvic acids and are a supplemental source of trace elements. Humic and fulvic acids add organic matter to soils—which stimulates soil microbial life and soil fertility, enhances plant nutrient availability and uptake, improves root development and root mass and growth, and increases crop quality and yield.

DRY HUMIC & FULVIC ACIDS

Fertilgold® 6 mm(-)



Fertilgold® 6 mm(-) is ground and screened to a particle size of 6 mm (¼") or smaller (contains less than 40% dust) and is ideal for spreading on and incorporating into soil. Fertilgold® 6 mm(-) is a 60%–70% humic/fulvic acid that can be applied to all soil types—broadcast in fall, post-harvest, or early spring—either pre-plant or with seed. Incorporation is not required. It can be applied in bands, either with seed, fertilizer, or after planting.

BENEFITS OF USE:

- A dry humic and fulvic acid product, ground and screened to a particle size of 6 mm (0.25 in) or smaller
- Contains 60%–70% humic and fulvic acid (by weight)
- Improves root mass and growth
- Enhances nutrient availability and uptake
- Stimulates higher crop yield and quality

Fertilgold® 1–3 mm



Fertilgold® 1–3 mm is ground and screened to a uniform crumble (contains less than 3% dust) ideal for mixing with other dry inputs that are not hygroscopic. Fertilgold® 1–3 mm is a 60%–70% humic/fulvic acid that can be applied to all soils—broadcast in fall, post-harvest, or early spring—either pre-plant or with seed. Incorporation is not required. It can be applied in bands, either with seed, fertilizer, or after planting.

BENEFITS OF USE:

- A dry humic and fulvic acid product, ground and screened to a uniform crumble of 1–3 mm
- Contains 60%–70% humic and fulvic acid (by weight)
- Improves root mass and growth
- Enhances nutrient availability and uptake
- Stimulates higher crop yield and quality

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] 2–6 mm



Fertilgold[®] 2–6 mm is ground and screened to a uniform crumble (contains less than 3% dust) ideal for mixing with other dry inputs that are not hygroscopic. Fertilgold[®] 2–6 mm is a 60%–70% humic/fulvic acid that can be applied to all soils—broadcast in fall, post-harvest, or early spring—either pre-plant or with seed. Incorporation is not required. It can be applied in bands, either with seed, fertilizer, or after planting.

BENEFITS OF USE:

- A dry humic and fulvic acid product, ground and screened to a uniform crumble of 2–6 mm
- Contains 60%–70% humic and fulvic acid (by weight)
- Improves root mass and growth
- Enhances nutrient availability and uptake
- Stimulates higher crop yield and quality

Fertilgold[®] K HUME[®]



Fertilgold[®] K Hume[®] is an 60%–70% humic and fulvic acid combined with potassium hydroxide to make an excellent soil conditioner. Improved solubility (76% soluble) speeds activity in the soil for enhanced microbial uptake and growth. The product is coated and screened to various particle sizes (the standard size is 1–3 mm, custom sizes are available). Fertilgold[®] K Hume[®] also contains many supplemental natural minerals in trace amounts.

BENEFITS OF USE:

- Uniform granular size promotes even coverage/distribution of humic/fulvic acid for short-term carbon benefit
- Combined with potassium hydroxide, it is an excellent short-term soil organic-matter builder
- Increased water penetration
- Increased flocculation of clays
- Promotes conversion of fertilizer into plant-available food
- Increases soil nutrient mineralization
- Short-term soil microbial activation

Fertilgold[®] GREENS



Fertilgold[®] Greens is ground and screened to a particle size of 1–2 mm (contains less than 3% dust). Fertilgold[®] Greens is a 60%–70% humic/fulvic acid that can be applied to all soil types—broadcast in fall, post-harvest, or early spring—either pre-plant or with seed. Incorporation is not required. It can be applied in bands, either with seed, fertilizer, or after planting.

BENEFITS OF USE:

- A dry humic and fulvic acid product, ground and screened to a uniform crumble of 1–2 mm
- Contains 60%–70% humic and fulvic acid (by weight)
- Improves root mass and growth
- Enhances nutrient availability and uptake
- Stimulates higher crop yield and quality

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold® Prilled



Fertilgold® Prilled is a pure, dry humate created through a patented dispersing granule process that results in a spherical granule that contains thousands of micro-sized humate particles. Within a few minutes after watering, these micro-sized particles dissolve into the soil, immediately going to work to improve nutrient efficiency and soil conditions.

BENEFITS OF USE:

- *Ultra-dry granules are engineered to be compatible with all fertilizers, including urea*
- *Uniform, spherical granules allow for ease of handling and even application*
- *Hard granules are resistant to breakage during handling; low moisture content; cleaner and easier to handle*
- *Long-term soil organic-matter building*
- *Increased water penetration and flocculation of clays*
- *Promotes conversion of fertilizer into plant-available food*
- *Increases soil nutrient mineralization*
- *Sustainable soil microbial activation*

Fertilgold® PULVERIZED



Fertilgold® Pulverized is pulverized to a powder (85% of particles are less than 50 mesh) and can be used for extraction for liquid humic or fulvic acid by chemical reaction. Fertilgold® Pulverized is a 60%–70% humic/fulvic acid that can also be applied to all soils—broadcast in fall, post-harvest, or early spring—either pre-plant or with seed. Incorporation is not required. It can be applied in bands, either with seed, fertilizer, or after planting.

BENEFITS OF USE:

- *A dry humic and fulvic acid product pulverized to a powder (85% is less than 50 mesh)*
- *Improves root mass and growth*
- *Enhances nutrient availability and uptake*
- *Stimulates higher crop yield and quality*

Fertilgold® SOLUBLE POWDER



Fertilgold® Soluble Powder is a water-soluble modified potassium humate powder derived from leonardite ore that is designed to be mixed in liquid solutions and applied to soil. It is produced using a proprietary extraction, modification, and spray dry process. This process yields a high humic/fulvic product that, when added to water or other solutions, has a low solution viscosity. It can be blended and pumped easily and will not plug nozzles or gel during storage. In comparison with other dry humate products, it is soluble over a wider range of pH (5.5 and above) and is low in sodium. Fertilgold® Soluble Powder is readily bioavailable and is packaged as a fully dissolvable (95% in water) powder. The high carboxyl content improves solubility and ion exchange.

BENEFITS OF USE:

- *Improves soil structure*
- *Stimulates microbial growth*
- *Stabilizes soil pH*
- *Increases nutrient exchange and retention*
- *Makes micronutrients more readily available*
- *Increases root penetration*
- *Increases stress tolerance*
- *Improves seed germination*

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

Fertilgold[®] MICROHUMIC[®]



Fertilgold[®] MicroHumic[®] is a soil amendment and seed treatment. It is a dry humic and fulvic acid ultra-fine product that is micronized to an average particle size of 15 microns (our smallest 60%–70% humic/fulvic particle size). When mixed with seed, compost, or other granular fertilizers (except urea) it delivers the maximum concentration of humic/fulvic acids. MicroHumic[®] can be prepared for soil granular fertilizer, compost, and seed treatment. Due to its very fine particle size, the product is also excellent for specialty use in creating humate prills, mycorrhizal bulking agents, and hydroseeder slurries. Not recommended for dry broadcast soil application or air planters.

BENEFITS OF USE:

- *Soil organic-matter building around the seed, compost, or granular fertilizer*
- *Improved seed germination*
- *Improved seedling root development*
- *Promotes conversion of fertilizer and compost into plant-available food*
- *Increases nutrient mineralization*
- *Sustainable soil microbial activation*

LIQUID HUMIC & FULVIC ACIDS

Fertilgold[®] XT

Fertilgold[®] XT is an excellent organic source of Micro Carbon Technology[®], formulated with organic acids and nutrients to improve the efficiency, release, and uptake of fertilizers. Applying Fertilgold[®] XT is an excellent way to mineralize nutrients tied up in soils and is an outstanding additive for complexing most organic foliar nutrients and biopesticides.



BENEFITS OF USE:

- *Complexes nutrients for easier plant uptake*
- *Encourages root growth*
- *Buffers salts in high alkaline or sodic soil*

For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

Fertilgold[®] PROMAX[®]



This broad-spectrum soil fungicide and nematicide is a crop protection product. It is a protective and curative pesticide recommended for control of plant parasitic nematodes and soil-borne diseases. The mode of action is as a contact killer. There is no restricted use, so it can be applied throughout the entire growing season without the need for buffer areas. Fertilgold[®] Promax[®] is formulated to deliver maximum performance while minimizing residual effects. It is compatible with most insecticides, miticides, fungicides, herbicides, and fertilizers; therefore, it is considered as an ideal product in tank mix strategies and in rotation programs.

BENEFITS OF USE:

- A broad-spectrum soil fungicide and nematicide crop protection product
- Proven effective, contact killer
- Safe for all crops
- Spray and walk, same day
- No buffers zones, restricted use, or waiting periods
- Can be applied at any time during the season

EFFECTIVELY CONTROLS:

NEMATODES

- Root knot (*Meloidogyne incognita*)
- Spiral (*Helicotylenchus*)
- Lesion (*Pratylenchus*)
- Lance (*Hoplolaimus galeatus*)
- Ring (*Criconemella xenoplax*)
- Cyst (*Heterodera glycines*)
- Reniform (*Rotylenchus robustus*)
- Stunt (*Tylenchorhynchus*)
- And many others...

PATHOGENS

- Powdery Mildew (*Erysiphales*)
- Rust (*Pucciniales*)
- Damping Off (*Phytophthora sp.*)
- Club Root (*Plasmodiophora brassicae*)
- Anthracnose Fruit Rot (*Colletotrichum sp.*)
- Root and Crown Rot (*Fusarium sp.*)
- Stem Rot (*Sclerotium rolfsii*)
- And many others...



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Fertilgold[®] PROUD 3[®]

Proud 3[®] is a broad-spectrum foliar insecticide, miticide, and fungicide crop protection product. It is safe and effective. The mode of action is as a contact killer. As an insecticide, it works best on soft-bodied insects or on the juveniles.



BENEFITS OF USE:

- A broad-spectrum foliar insecticide, miticide, and fungicide
- Proven effective
- Safe for all crops
- No buffers zones, restricted use, or waiting periods
- Can be applied at any time during the season
- Use as a produce wash, prevents post-harvest diseases

EFFECTIVELY CONTROLS:

SOFT-BODY INSECTS

- Thrips
- Whiteflies
- Aphids
- Leaf Miners
- And many others...

ALL TYPES OF MITES

PATHOGENS

- *Escherichia coli* O157:H7
- *Salmonella enterica*
- *Botrytis cinerea*
- *Peronospora cubensis*
- *Oidium*
- And many others...



For up-to-date information on product OMRI-Listing and state/country registrations, please visit:

www.Fertilgold.com

For more info or to talk to a product specialist, contact us at:

480.423.6800 • info@fertilgold.com

www.Fertilgold.com

Fertilgold[®]
ORGANICS

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