Our Organi-Green™ All Natural Lawn Care System
- Overview -

Kuppek Landscape Contractors launched its Organi-Green™ division in 2000 in response to growing concerns about the effects of synthetic fertilizers and chemicals on the environment and the health of humans and animals. Since then, we have made it our mission to offer our customers a healthy and environmentally-responsible organic alternative to chemical treatments. Today more than 90% of our clients are using our customized Organi-Green system and are achieving results that equal or exceed those of traditional chemical programs.

Our Organi-Green program extends far beyond the application of organic fertilizers. It is a complete, formulated system that utilizes all-natural products and proper cultural practices. Together the customized components of the Organi-Green system create and nurture an environment that is conducive to healthy turf growth and inhospitable to weeds and pests.

Unlike the Organi-Green system, traditional fertilization programs utilize harsh chemical fertilizers and pesticides that damage the ecological balance of the soil. They deplete the soil of beneficial microorganisms (microbes) that are needed to:
- Decompose dead plant and animal residues to humus
- Suppress disease
- Produce plant growth regulators
- Develop soil structure, tilth and water percolation/retention
- Break down chemical residues
- Neutralize soil pH
- Retrieve nutrients from distant parts of the soil
- Regulate nutrient supply according to the grass plant’s needs

With prolonged use of chemical fertilizers and pesticides and the depletion of these essential microorganisms, grass plants become increasingly susceptible to disease and insect infestation. As a result, additional chemical applications are needed, which in turn exacerbate the problem and perpetuate what becomes a detrimental cycle for the soil.

Our Organi-Green program is an environmentally-friendly turf management system that nourishes and repairs the soil instead of continually treating symptoms of the turf. It replenishes the soil with essential minerals, organic matter, and beneficial microorganisms while dramatically reducing the need for synthetic pest
control substances. By enriching the soil organically, the Organi-Green system feeds and sustains healthy lawns with all-natural products that are safer for people, animals and the environment.

The Organi-Green system combines liquid, granular, and biological materials that are derived from a blend of food grade grains and a variety of natural plant bio-stimulants including kelp meal, humate, molasses, and colloidal minerals. They are applied as needed during the growing season and contain no animal byproducts, manure, processed human waste, or synthetics. They are environmentally friendly so they won’t contaminate lakes, streams, or your drinking water.

Our Liquid Products supply beneficial soil microorganisms, catalysts, and essential plant hormones and nutrients. Our Granular Products serve to re-mineralize the soil, balance soil pH, and supply organic matter and N-P-K (Note that our N-P-K will leach no more than 5% compared to significant leaching in most conventional synthetic fertilizers). They also add microorganisms which help to eliminate soil toxins. These products work in concert to build a well-balanced humus topsoil.

With the Organi-Green system:

**Improved soil texture and natural aeration will occur** on a microscopic level, making available tightly held nutrients and minerals. In loose, sandy soils, the added organic matter and humates combine to hold nutrient inputs and build a rich, dark humus soil. Beneficial bacteria and natural humates quickly decompose thatch and grass clippings. This expedites the availability of the fertilizer to the plants. The earthworm population in the soil also increases significantly, thereby aerating the soil, transporting nutrients from the subsoil, and actually creating many pounds of rich topsoil.

**A deep and massive root system will develop** (usually doubling the root system of the turf in a year) substantially reducing stress to the plants by giving them the ability to obtain and store water and nutrients for food energy during adverse conditions. Instead of pushing top growth with highly soluble synthetics, our system allows the plant to take what it needs when it needs it. This results in a much healthier plant with its own natural pest deterrent capabilities working at their peak.

All the Organi-Green components work together to nurture a healthy and naturally green lawn.
PRODUCT OVERVIEW

Our Vital Liquid Compost

Contains:
• Humic Acid
• Colloidal Minerals
• Kelp
• Fermented Molasses

Assists In:
• Increasing Root Depth
• Increasing Root Width
• Feeding the Feeder Roots
• Growing Grass in Harsh Areas
• Reducing Fertilizer Requirement
• Reducing Water Needs
• Stimulating Microbial Activity
• Nutrient Uptake
• Drought Tolerance
• Naturally Decomposing Thatch
• Natural Aeration
• Making Soil Porous and Malleable
• Breaking Soil Compaction
• Breaking Clay Soils
• Binding Sandy Soils
• Increasing the Sugar Content
• Helping to Prevent Grubs
• Helping to Prevent Nematode Damage

Attributes:
• 100% Natural and Organic
• Plant Nutrients
• Amino Acids
• Micro-Nutrients
• Food & Carbohydrates for Microbes
Material Safety Data Sheet

PRODUCT IDENTIFICATION: Organi-Green™
2451 Pennington Rd.
Pennington, NJ 08534
(866) 737-8491

PRODUCT NAME: OG Vital Liquid Compost


Physical Data:
- State: Liquid
- Boiling Point: 212 degrees F.
- Vapor Pressure: N/A
- Vapor Density: N/A
- Flash Point: N/A
- Flammability limits: Lower N/A; Upper N/A
- Appearance: Black/Dark Brown liquid
- Odor: faint molasses smell
- Weight per cubic ft.: 65 lbs per cubic ft.
- Melting point: >3,000 degrees Fahrenheit
- Method: N/A
- Autoignition Pt: N/A
- Fire Explosions Hazards: None
- Shock Sensitivity: None
- Susceptibility to Spontaneous Heating: None
- Extinguishing Media: None

Health Hazard Data:
- Skin: Slightly irritating
- Ingestion: If large amounts are swallowed it may cause nausea.
- Effect of Overexposure: Eye Irritant
- Inhalation: May cause irritation of nose & throat.

Precautionary Measures: No unusual precautions

First Aid Procedures:
- Eyes: Flush with water thoroughly on eyes.
- Skin: Wash with soap & water.
- Ingestion: Give large amounts of water. Do not induce vomiting. Seek medical attention.
- Inhaled: Remove to fresh air. If discomfort continues, seek medical attention

Spill & Disposal Procedures
If uncontaminated, recover & reuse product. Dilute with water.

Personal Protection Information:
When spraying in large quantities, work with adequate ventilation and or use of a respirator.
PRODUCT OVERVIEW

Our Customized Granular Blends

Contain:
• Green Sand
• Alfalfa Meal
• Bone Meal
• Chilean Nitrate
• Blood Meal
• Rock Phosphate
• Fish Meal
• Corn Gluten Meal
• Peanut Meal
• Sulfate of Potash
• Aragonite
• Feather Meal
• Gypsum
• Molasses

Assists In:
• Fertilization
• Breaking Soil Compaction
• Adding and Stimulating Microbial Activity
• Helping to Prevent Weeds
• Helping to Prevent Crabgrass
• Helping to Prevent Nutsedge

Attributes:
• 100% Natural & Organic
• Slow Release Insolubles
• Source of N-P-K
• Moisture Retainer
• Pelletized
Material Safety Data Sheet

PRODUCT IDENTIFICATION:  
Organi-Green™
2451 Pennington Rd.
Pennington, NJ 08534
(866) 737-8491

PRODUCT NAME: O.G.Special Granular Blends

Ingredients:  
Blended Natural Products.

Physical Data:
State: Dry  
Boiling Point: None  
Vapor Pressure: N/A  
Vapor Density: N/A  
Flash Point: N/A  
Flammability limits: Lower N/A  
Upper N/A  
Appearance: Dust, Granules  
Odor: faint manure  
Weight per cubic ft.: N/A.  
Melting point: >3,000 degrees F  
Method: N/A  
Autoignition Pt: N/A  

Fire Explosions Hazards: None  
Extinguishing Media: None  
Shock Sensitivity: None  
Susceptibility to Spontaneous Heating: None

Health Hazard Data:
Skin: Slightly irritating  
Ingestion: If large amounts are swallowed it may cause nausea.  
Effect of Overexposure: Eye Irritant  
Inhalation: May cause irritation of nose & throat.

Precautionary Measures: No unusual precautions

First Aid Procedures:
Eyes: Flush with water thoroughly on eyes.  
Skin: Wash with soap & water.  
Ingestion: Give large amounts of water. Do not induce vomiting. Seek medical attention.  
Inhaled: Remove to fresh air. If discomfort continues, seek medical attention

Spill & Disposal Procedures:
Normal housekeeping procedures. Sweep up and discard as with any soil.

Personal Protection Information:
Normal as used in handling soil.
Beneficial Nematodes are microscopic, nonsegmented worms that occur naturally in soil all around the world. *Steinernema carpocapsae* and *Steinernema feltiae* prey on ants, termites and the larval and grub stages of various beetles, weevils, armyworms, cutworms, chafers, webworms, borers, maggots, fleas, ticks, fungus gnats (sciarid flies), to name a few. Once they are released, the nematodes seek out host insects and enter their prey through body openings, injecting them with lethal bacteria, then feeding on the resultant "goo." The nematodes reproduce and their offspring feed on the insect cadaver and emerge to seek out new hosts. The endo-toxin generally results in death of the host insect within 48 hours.
Developed by the USDA, Milky Spore attacks the larvae of Japanese Beetles. Many consumers don't make the connections between adults beetles that attack roses, grape vines, fruit trees and 150 other plants and their larvae laid in the form of eggs in grass. 1,000 adult beetles will lay fifty thousand grubs in your lawn each year. Next summer, the grubs emerge from the soil as adult beetles completing a one year life cycle.

Once established in your lawn, Milky Spore kills the grubs for 15 to 20 years. Each grub that dies from Milky Spore decays and releases three billion new spore. Once all of the grubs are destroyed, the spore will remain dormant but viable in the soil until new grubs come along even years later.

Won't harm beneficial insects, animals, pets or man. Safe for use around wells, ponds and streams. Harmless to birds, bees and fish.
PRODUCT OVERVIEW

BURNOUT II
Weed & Grass Killer

Made of a special blend of vinegar and lemon juices and other patented synergistic components, BurnOut works faster and more efficiently than most existing weed controls. Simply spray it on and look for wilting within minutes (typical: 20 minutes on dandelion). BurnOut can be used on walkways, driveways, shrubbery beds and anywhere else as a post defoliant to control weeds and unwanted grass. Annuals are killed right away with BurnOut, while perennials may regenerate after a single application and require additional applications.
Mosquito Barrier **kills and chases a wide variety of insect pests** out of your yard and away from your house immediately upon spraying and keeps them out for 2 to 4 weeks, sometimes longer. Its lasting effects are shortened by excessive rain and humidity. It is often effective through 2 to 3 rain storms. The Garlic odor disappears in about 30 minutes. Mosquito Barrier is a very strong Liquid Garlic that is diluted in water and sprayed on grass, shrubs, flowers and into any trees in the area. It is all natural with no harmful chemicals or poisons.

**How Mosquito Barrier Works:**
Mosquito Barrier is a very strong liquid garlic made from very potent garlic cloves. Garlic has a natural sulfur which deters insects, including **mosquitoes, ticks and fleas**. Garlic juice has been used for over a hundred years on garden plants to keep insects away. It's the sulfur that the insects don't like.

When first sprayed, the natural sulfurs in the Mosquito Barrier kill the insects which are struck by the spray. Afterwards any insects entering the area detect the garlic sulfurs and avoid entering the area.
PRODUCT OVERVIEW

THE MINERAL GYPSUM

• Chemistry: CaSO$_4$-2(H$_2$O), Hydrated Calcium Sulfate
• Class: Sulfates
• Use: As a soil amendment to reduce the compaction of heavy clay soils, adjust pH, and remove harmful salts.

Gypsum is one of those rare materials that performs in all three categories of soil treatment: an amendment, conditioner, and fertilizer. Gypsum amends soil alkalinity, lowers high pH conditions and raises low pH conditions, and leaches out harmful salts. Gypsum conditions and improves soil structure allowing air and water penetration and root development. Gypsum nourishes the plant with Calcium & Sulfur.

Gypsum is everywhere. It is the most common sulfate mineral on earth. Gypsum, known technically as Calcium Sulfate, is one of the most useful and widely used minerals of the 20th century. It is used in sheetrock/wallboard, cements, plaster of paris, molds and castings, tiles and blocks, paper filler, fluxing agents, food and beverages, pharmaceuticals, and as a soil additive for the lawn and garden industry, and agriculture. Yet, despite gypsum's widespread use, few people know what it is or where it came from. Gypsum deposits are sediments from ocean brine and ancient inland seas. Time, heat, pressure, moisture, movement and mixing with other elements produces various forms of gypsum.