



Products of Soil Secrets LLC

Organic Designation and Standards The products of Soil Secrets LLC meet the benchmark of the USDA's NOP (National Organic Program) and have been approved by USDA NOP Certifying Agents for use on Certified Farms. If not already done, your certifier will need to contact Soil Secrets LLC in order to do their due diligences process, so that you can use our products as inputs on your farm.

Mycorrhizal Products

Endo-900 For farms, mine reclamation and erosion control plantings of herbaceous and most woody plants. **Endo-900** has the highest spores count per pound of any product in the industry at 900,000 spores per pound of **Glomus intraradices**, the ideal mycorrhizal inoculant for agriculture! For forestry plantings of conifers, oaks and many other hardwoods, ask for our **Endo Ecto Blend**.

New for 2011: Endo Maxima[®] will contain 1,450,000 spores of **Glomus intraradices** per pound of dry inoculum powder. Since both Endo 900 and Endo Maxima are screened of all root tissues, soil, and other impurities, both products are primarily the spores of the Glomus species of mycorrhizae. Therefore mixing with water to create a sprayable liquid is maximized.

Soil Amendments

Soil Secrets manufactures two grades of Humic acid products. **Commercial TerraPro[®]** and **Agriculture Grade TerraPro[®]**. For many decades, Humic Acid products have been provided to agriculture, but until Soil Secrets did the research nobody has been able to purify the substance and describe the species characteristics on a molecular level; required information to gauge what the true potential and value might be. In fact, the molecule had never been described and the industry, state regulators and soil scientists debated what the stuff really was. Michael Martin Melendrez, founder and Managing Member of Soil Secrets, felt that he needed to prove that Humic Acids were truly a powerful molecular substance. So, he hired scientists and recruited a DOE National Lab to help him conduct experimental tests to prove that Humic Acids are indeed real and that the Humic acid formulations of Soil Secrets are exceptional and really work. To learn more about Humic Acids, see Michael's 3-D Geospacial presentation on Humic Acids.

Soil Secrets LLC.

Office Address: 9 Gilcrease Road, Los Lunas, New Mexico 87031
Plant Address: 3084 Highway 47, Los Lunas, New Mexico 87031
505 550-3246, Email: soilsecrets@aol.com Web: www.soilsecrets.com

Humic Acids are nature's best chelators of plant nutrients, so when you add mineral elements needed by your soil, this product will make those minerals more available.

More Benefits of Humic Acid:

1. Solubilize occluded (tied up) minerals from the soil, making those minerals more accessible to your crop. Minerals solubilized into solution are chelated onto the Humic Acid molecule and held in a plant available form until needed.
2. Have a huge Cation Exchange Capacity, helping to increase the availability of plant nutrients.
3. Have a detergent quality and can help remove heavy metals and xenobiotics from water and soil.
4. Can help microorganisms survive and perform in normally anaerobic (without air) environments by acting as electron acceptors for microbial respiration.
5. Help arid zone soils retain water.

Agriculture Grade TerraPro[®] Made for farms, the active ingredient of this product is a Patent Pending formulation of Humic Acids that can function as powerful biologic chemicals of the soil, involved with hundreds if not thousands of bio-geo-chemical processes. Humic acids are super molecules of soil that are essential for a healthy and productive soil and this product, formulated by Soil Secrets is guaranteed to have the highest biologic value of any Humic Acid product in the industry! Developed using Femto joule chemistry down to the subatomic structure of the molecule, by a research team of Professional Chemists, Theoretical Physicists and the Technology Transfer Program of a National Lab.

The objective of this product is to make it economically feasible to load the soil with Humic Acids that really work.

Commercial grade TerraPro[®] (known as **Earth Magic[®]** in New Mexico retail nursery stores) is our flagship product. **TerraPro** is a unique concentrated humus product that contains a broad spectrum of beneficial mycorrhizae fungi and soil enzymes along with a high percentage of Humic Acids. The formulation of Humic Acids in this product are Patent Pending and are guaranteed to have unique biological and chemical characteristics that will provide exceptional benefits to any soil. The objective of this product is to fortify the soil with the best Humic Acid product possible; because they are powerful biologics that can jump start the life of your soil. In addition, a full blend of both Endo (VAM) and Ecto type mycorrhizal spores are included in Commercial Grade TerraPro at a spore count of 50,000 spores per 1000 sq. ft. if used at label rate. The science is clear that most plants and most landscapes including desert plants need a significant level of Humic Acids in the soil as it's this substance that defines a top soil. Top soil is a horizon of soil that is rich in Humic Substances and according to research, "Humic Acids are essential for a healthy and productive soil" - ***Journal of Chemical Education December 2001, Soils Sustain Life!*** A current analysis by a certified lab can be provided that can verify the percentage of Humic Acids as well as all other related data. Research has proven that Mycorrhizal products can make any landscape dramatically more drought tolerant and the

plants healthier, as it's the mycorrhizae that do most of the hard work of finding water and minerals in the soil. Many research abstracts can also be provided to support these benefits. Mycorrhizae help your landscape plants endure the stresses of the environment such as heat, drought, dehydration and poor soils and they are also critical and essential for the long term soil building process to occur. Currently (as of 2009) over 70,000 papers of research have been published in journals of science that support the claims of improved drought tolerance, improved nutrient uptake, improved tolerance of disease, increase in crop yields and improved health of landscapes.

* Almost without exception both Humus and Mycorrhizae are either missing or are weak in most manmade landscapes including farms. Together they are excellent partners in helping to restore soil productivity.

All the products of Soil Secrets are designed to support and complement the use of our Humus products - Earth Magic and TerraPro. Together these products will help develop and sustain a healthy 'Soil Food Web.' Here are some more products of Soil Secrets LLC.

Protein Crumbles[®] Nature's best source of nutritional calories for feeding the soil is protein. Derived from selected vegetable proteins, Soil Secrets has selected this product for the best ratios of amino acids that can provide the highest protein efficiency value possible. Soil Microorganisms are part of the Soil Food Web and Protein Crumbles can provide these microorganisms a high quality protein with the highest % Nitrogen per unit of Protein. **This product has a crude protein content of about 70%, providing a source of slow release organic Nitrogen, once the N is liberated by the action of decomposition.**

TTP Supreme Compost[®] 100% wholesome ingredients. Ingredients are farm grown for the objective of making this compost with an exact recipe every time, allowing us to provide you with the purest and best compost you will ever find! **Most compost products on the market are made from an ever changing source of materials creating a consistency and quality control problem.** To avoid soil, human or plant diseases, animal manures, city bio-solids (human waste) and yard waste are not used in the production of this compost. This product is nutrient dense and needs to be used sparingly, as a little goes a long way! **TTP Supreme Compost has repeatedly tested at the highest % Humic acid content of any competing brand of compost on the market.** A full assay of tests showing maturity, stability, Humic acids, organic matter, nitrogen, major and minor nutrients, and carbon to nitrogen ratio is available upon request by emailing us at soilsecrets@aol.com

SUPRAPLEX[®] An Organic Compost Broth. Unlike a Compost Tea, the objective of this product is to have a high concentration of '**Organic Colloidal Nutrients**' that can be injected with typical drip irrigation equipment, or sprayed onto foliage using orchard sprayers. Guaranteed analysis is provided on the label for this product. The product is not advertised or promoted in any way as a microbial inoculant. A full soil disease report is available that consistently shows zero detectible levels of the targeted pathogens. Product is made from our TTP Supreme Compost with the only added ingredient being water. All nutrients in this product are indigenous to the compost used. SUPRAPLEX can also be used as a carrier foliar spray for other nutrients such as zinc and iron.

SupraH Complex[®] (retail name is **Earth Ambrosia[®]**) a liquid Humic Acid and colloidal organic nutrient solution. Organic colloids are decomposed organic substances broken down to their smallest particle size. Organic colloids will coat soil particles, provide a Cation Exchange Capacity and help prevent the nutrients of fertilizers from leaching. Humic Acids and Organic Colloidal substances will also prevent the nutrients from compost and green manures from leaching. Liquids of Humic and Organic Colloidal substances move into the soil faster than a dry material, which is why we provide humus in this form. It is designed to be used as a spot treatment when faster results are needed, but for optimum amounts of Humic Acid the dry humus products of Earth Magic and TerraPro can contribute more technical material per dollar spent and therefore are the products of choice for larger areas.

Earth Nectar[®] A super drink for the soil! There's no question about it, microbes rule. They run all the major chemical cycles on earth by making the enzymes that serve as catalysts to many of the important chemical reactions in the soil. **Earth Nectar** is a broad spectrum of soil based enzymes made by microbes. This product also contains TTP Supreme Compost, whole kelp, humus, and plant extracts, each dissolved into a rich nectar for the soil. Earth Nectar and Earth Ambrosia can be blended together in equal amounts, diluted with water and sprayed onto the soil as a drench. Do not use more than 1 gallon of either product per 1000 sq. ft. of application.

Earth Worm Castings Nature's soil elixir that enormously benefits plant and soil life! A natural source of soil wealth including many indigenous microorganisms, enzymes and much more. You can never use too much Worm Castings to build a better garden. If you're dealing with a sick plant, or a precious plant that you want to be extra careful about fertilizing, worm castings are your answer. With low nutrient levels and a low salt index, it's almost impossible to hurt a plant by over using worm castings!

For more information and a source of purchase:

Soil Secrets LLC, 505 550-3246, email: soilsecrets@aol.com