

Fulvex® Applications

Foliar Fertilizers:

Fulvex® can be mixed with most foliar fertilizers, both organic and inorganic, to help carry nutrients into plant cell metabolic sites. This is usually done with a 25% to 30% reduction in the typical amount of synthetic fertilizer used.

Soil Fertilizers:

Fulvex® can be mixed with all fertilizers, both organic and inorganic, to help carry nutrients directly to plant cell metabolic sites.

Fruit Development:

Fulvex® and BioFlora Seaweed Creme® are commonly used in combination to improve bud formation and fruit set as well as fruit sizing.

Crop Finishing:

Fulvex® and BioFlora Seaweed Creme® are commonly used in combination for crop finishing, longer shelf life, higher Brix levels and improved color may be realized.

Root Dip:

A root dip of Fulvex® and BioFlora Seaweed Creme® is used for the quick establishment of new root hairs. This can be used on bareroot transplants and vegetable or melon transplants. It is recommended to use a seed treatment prior to planting for quicker germination.

Eliminate Toxins in Soils:

The polyelectrolytes in Fulvex® are used to catalyze the breakdown of toxic pollutants in the soil. Heavy metals may also be reduced in soil and aquatic solutions by using Fulvex®.

All Irrigation Methods:

For general plant vigor, combine Fulvex® with all fertilizer liquid mixes and apply through the irrigation system (drip tape, micro-sprinkler, pivot, border and furrow).



Global Organics® is the leading provider of biological nutrients to the agricultural industry, differentiated by a commitment to creating sustainable and fertile soils with enhanced plant bioactivity and development.

Through its leading agricultural division, BioFlora®, we offer an unprecedented wealth of industry knowledge, innovative processes and solutions, as well as customized products and services to all of our clients.

Driven by the Integrated Life Science Research Center, an affiliate company composed of biologists, agronomists, molecular scientists, biochemists and technicians with laboratory and field experience, product development and field research are constantly evolving. This continuous scientific exploration has yielded new and exciting products in addition to worldwide ground breaking research.

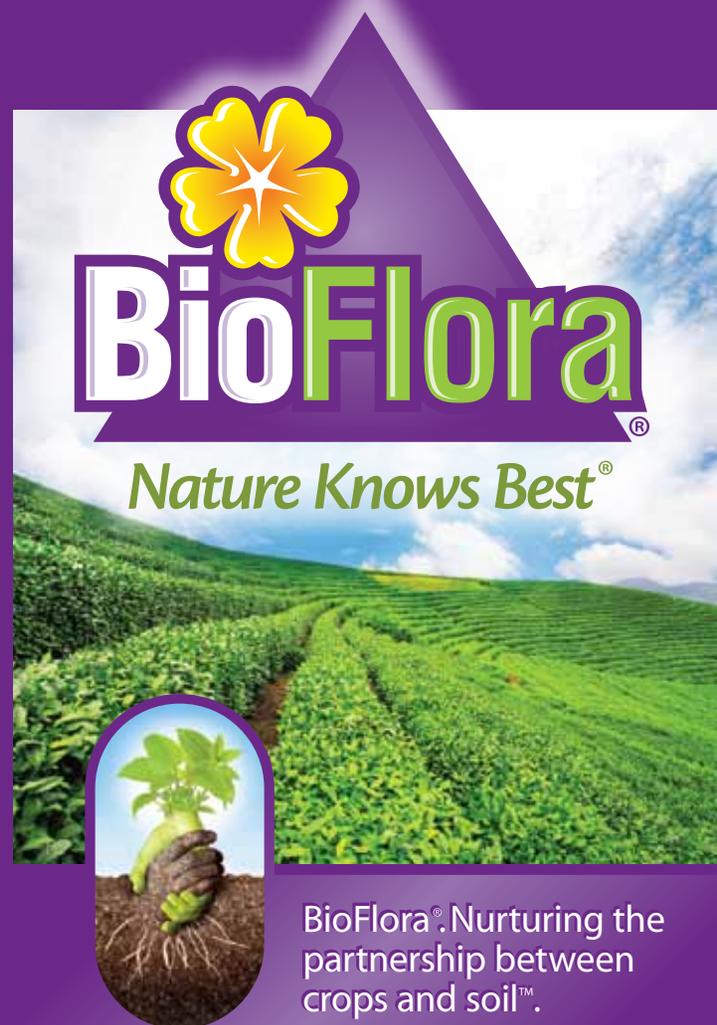
With a combined 40 years of expertise, supported with proprietary and patented technology, we are able safely innovate sustainable, environmentally friendly, agriculturally profitable, high quality products to better nurture the partnership between crops and soil.

www.globalorganicsgroup.com

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Fulvex®

The Ultimate Nutrient Enhancer



BioFlora®. Nurturing the partnership between crops and soil™.

Fulvex® Overview

The Organic Age:

The 21st Century brings with it an expanding global population more environmentally aware than previous generations. As regulations ban or limit the use of petrochemical fertilizers and pesticides continue to increase, the demand for natural and organic products is soaring.

Research and development by BioFlora® has led to the discovery and patent of a proprietary process for the recovery of organic acids from humates. Synthetic chemical solvents are not used in this process.

Fulvex® is a patented liquid extract from selected materials which are separated and blended in a unique process that produces a one-of-a-kind liquid extract.

The Nature of Organic Acids:

Organic acids in Fulvex® are low molecular weight, humic substances that have the unique ability to catalyze natural chemical reactions in the soil. Organic acids are abundant in oxygen and hydrogen atoms that can help stimulate plant metabolic processes.

Organic acids have extremely high cation exchange capacities (between 500 and 1,000 meq/100g). Their low molecular weight allows them to bind with plant nutrients and carry them directly to cell metabolic sites.

Organic acids mix well and chelate with many types of materials, synthetic and organic, at both high and low pH levels. Organic acids carry positive and negative charges that have the ability to bind to toxins and heavy metals, which in turn helps protect crops and balance the soil environment.

The Origin of Organic Acids:

The Fulvex® organic acids are created through the oxidation of organic matter. Fulvex® organic acids are a low-molecular weight fraction of extracted humic substances derived from oxidized lignite.

The oxidation process generates a reactive polyelectrolyte that has a high carbon, oxygen and hydrogen content. These groups are vital for the electron transfers which form ionic bonds. Fulvex® is biologically stable and it does not degrade easily.

Analytical Profile of Fulvex®

Composition:

| | |
|------------|----------|
| Nitrogen | 0.01% |
| Phosphorus | < 0.10% |
| Potassium | < 0.10% |
| Sulfur | 0.06% |
| Calcium | 0.11% |
| Magnesium | 0.02% |
| Sodium | 0.03% |
| Zinc | 3 ppm |
| Iron | 207 ppm |
| Manganese | < 20 ppm |
| Copper | < 20 ppm |
| Boron | < 20 ppm |
| Cobalt | < 1 ppm |
| Molybdenum | < 1 ppm |
| Selenium | < 1 ppm |

Plus more than 50 additional trace minerals
Solubility: Fulvex® is 100% soluble in any liquid with a pH above one (1)



How Fulvex® Works

Releases Minerals In Soil: Fulvex® solubilizes substantial amounts of minerals in the soil. It may also react and bind with various dissolved minerals in the soil solution.

Provides Oxygen to the Soil Environment: Fulvex® aids in restoring oxygen deficiencies, which may increase drought resistance and may protect the plant from other environmental stresses.

Powerful Chelator: Fulvex® has a high chelating power that allows plant nutrients to remain in solution. This chelating action allows nutrients to circulate through the plant and penetrate cell walls.

Reduces Wilting: Fulvex® helps the plant accumulate soluble sugars which help maintain osmotic balance with the environment. Increased osmotic pressure against the cell walls enables the plant to withstand wilting.

Promotes Higher Crop Yields: Treating seeds with Fulvex®, before sowing, improves the rate of growth, development of roots and shoots, and potentially increases crop yield.

Promotes Protein Production: Fulvex® activates the enzymes responsible for the synthesis of protein building blocks, which may, in turn, help stimulate plant development and increase crop yield.

The Critical Importance of Certified Organic

All BioFlora® products are designed for organic or sustainable agriculture with several being OMRI listed under the auspices of the USDA National Organic Program (NOP). BioFlora® is also a CCOF and GLOBALG.A.P. member.

GLOBALG.A.P.
The Global Partnership for Good Agricultural Practice

