

Maximize SOIL, ROOT AND PLANT Function & Support

SPEED RECOVERY from ENVIRONMENTAL STRESS and MODERN PLANT MAINTENANCE PRACTICES!

BioPlex FULVIC POWER+

GREENS - TEES - FAIRWAY - ORNAMENTALS - CANNABIS -
LAWN CARE - DEEP ROOT FEEDING - HYDROSEEDING

BIOACTIVE ORGANIC ACID SOIL-ROOT-RHIZOSPHERE TECHNOLOGY

The humates used in **BioPlex FULVIC POWER +** are sourced from humic-rich, isolated prehistoric deposits over 30 million years old. A proprietary chemical free extraction process is utilized to ensure predictable product release and viability characteristics all the way from our labs to your tank-mix.

Our unique, bio-effective fulvic and humic acids are naturally "power packed" with 70 trace minerals and elements, macro minerals, 13 carboxylic acids, 18 amino acids, 22 Terpenoids/Flavonoids and 38 antioxidants. In addition, there are 13 Phytochemicals critical to plant defense, enhanced immune response and metabolic stimulation. Our nutrient density (20-30X) easily surpasses that of other competitive fulvic acid products.

BioPlex FULVIC POWER + is quite different than most fulvic acid products. First, our molecular size is readily absorbed into root hairs by cation exchange, diffusion and active mobility. More concentrated trace element nutrition facilitates deeper, denser root structures. Trace minerals are available in both 'chelated and free-form' to optimize plant metabolism and other critical plant functions. Twelve organic acids perform specialized plant functions ranging from *biological survival - root development - nutrient uptake - reduced stress response from drought to elevated cell wall integrity and more efficient mineral mobility.*

NON-PLANT FOOD INGREDIENT(S):

Fulvic Acid (Improve Nutrient Mobility).....	8.0%
Humic Acid (Increase Nutrient Uptake).....	6.0%
Beneficial Bacterium (Root & Soil Inoculate)....	0.15%
Carbon (Soil Moisture Retention)	3.0%
Amino Acids (Cell Wall Building Blocks).....	2.5%
Vitamin B-Complex (Root Mass)	0.05%
Dextrose (Bio-Feeder Substrate)	5.0%
Yucca Extract (Wetting Agent)	10.0%
Organic Acids (Biosstimulant)	0.9%

WARNING: KEEP OUT OF THE REACH OF CHILDREN. DO NOT INGEST. Avoid contact with skin and eyes. Wear appropriate protective clothing when using this product. Direct exposure may cause irritation to skin, eyes, and mucous membranes. In the event direct contact is made with skin, eyes, or other exposed body parts, IMMEDIATELY wash the contact area with copious amounts of clean water. Optimal storage temperatures, 40-80 degrees Fahrenheit.

NOTICE: BioPlex Organics warrants that the product conforms to its chemical description and is suitable for the purposes stated on the label when used in accordance with the directions under normal conditions of use. **BioPlex Organics** will not be held responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions and circumstances not reasonably foreseeable to **BioPlex Organics**.

Information regarding the contents and levels of metals in this product is available on the internet at www.aapco.org/metals.html

Net Contents:
1.0 U.S. Gallon (128 Fl. Oz.) 3.875 Liters

Turf & Ornamental Usage

LCO Annual Lawn Care Maintenance Fertilizer: Apply at 1 fl. oz. per EACH 1,000 square foot on cool or warm season turf area. Deliver at 0.5 to 3 gallons per 1,000 sq. ft. Apply as a foliar flood drench. Can be combined and tank-mixed with other fertilizers, iron, probiotics and most pesticide products. Re-apply every 4-8 weeks. To "super charge" turf green-up response and increase bio-stimulant plant related responses, tank mix with **BioPlex TURF POWER+** at 3 fl. oz. per 1,000 sq. ft.

Ornamental Pre-Treatment Root Drench for Summer-Digging: Add 2.0 fl. oz. per EACH incremental unit of 1" caliper trunk diameter and apply as a soil drench AND foliar flood drench a minimum of 48-96 hours prior to digging. Dilutions should be made as a supplement to **BioPlex "Original-Digging" Transplant Concentrate & Plant Enhancer** and applied as a foliar flood (conifers), root drench (deciduous) or both.

Ornamental Plant Installation Root Drench Supplement: Add 1.0 fl. oz. per EACH incremental unit of 1" caliper trunk diameter and apply as a soil drench or targeted foliar flood drench. Can be added to any quantity water solution and applied as part of the final plant hydration watering protocol at installation or earlier in the installation planting process as determined.

Palm Tree Feeding: Tank-mix 0.5 fl. oz. **BioPlex FULVIC POWER+** and 1-2 fl. oz. of **BioPlex STRESS POWER+** per EACH 24-36" of plant height or width, whichever is the larger number. Apply as a surface soil root drench every 30-90 days as needed during the active growth cycle.

Deep Root Feeding Tank-mix **FULVIC POWER+ Supplement:** Add 8-12 fl. oz. per 100 gallon of NPK tank-mix and apply as a nutritional deep root feeding supplement for soil, root and plant health.

Golf Course Warm and Cool Season Turf Grass Maintenance: Mix at 1.0 to 1.5 fl. oz. per each 1,000 sq. ft. turf area and apply at 0.5 to 3.0 gallons of tank-mix per 1,000 sq. ft. area. (43.5 fl. oz. to 65.25 fl. oz. per acre). Apply as a foliar drench alone or in tank-mix combination with other fertilizers or pesticides. Follow-up applications can be made at 4-8 week intervals as or sooner if required.

Used as a General Nutritional Fertilizer Tank-mix Supplement: Apply 0.25-0.50 fl. oz. per EACH 1 gallon of NPK fertilizer tank-mix dilution. Effectively applied as a surface drench or foliar flood drench. Repeat as often as you would your scheduled original fertilizer application delivery sequencing during the active growing cycle.

Used as a Pesticide Tree Spray Tank-mix Supplement: Apply 5 fl. oz. per EACH 100 gallon of pesticide or fertilizer tank-mix.

Hydro Seeding Tank-mix Supplement: Add 0.5-2.0 fl. oz. per 100 gallon of NPK tank-mix slurry or 8-16 fl. oz. per acre for poor soil and site conditions.

Attention: This product is tank mix compatible with most other products. Best practices suggest a compatibility test should be performed prior to use. Shake product prior to use. This product is intended as a supplement to a sound fertility program and may not, if used by itself, provide all the nutrients normally required by crops or other intended plants. Do not store in temperatures below 40°F.



Developed & Formulated by:

BioPlex Organics / Turf Chemicals Plus, Inc. • www.bio-plex.com

114 Manheim St., Mt Joy, PA 17552 • 717-653-0616

Technical Assistance: 1-800-441-3573 | email: bioplex@earthlink.net

Hydroponic – Aquaponic Usage

Hemp, Herbs, Lettuce, Cannabis, Hops

DRENCH

Use 1 ml/gallon for drench feeding. Simply add **BioPlex FULVIC POWER+** to your ready-to-use regular fertilizer lineup.

DOSATRON

For use with Dosatron inline fertilizer injectors, **BioPlex FULVIC POWER+** can be used as a concentrate. Adjust the pH of the concentrate to 2.5 to prevent sedimentation.

- At 1 ml/final gallon, the Dosatron can be set to 1:3875 and used right out of the **BioPlex FULVIC POWER+** container.
- At 0.5 ml/final gallon (1:500) with a 55 gallon drum (208L), add 13.54L **BioPlex FULVIC POWER+** and top up to 55 gallons with water for feed solution.

RESERVOIR

Growers can use **BioPlex FULVIC POWER+** in recirculating deep water culture, ebb and flow, and other types of hydroponic systems. Always conduct a jar compatibility test before deployment.

- Hydrogen peroxide, at 3%, is the primary means to sterilize a reservoir.
- UV sterilization will not damage fulvic acid nor will it affect the mineral bonds, where traditional chelates are weakly bonded and are easily broken.
- Hypochlorous acid may cause oxidation of **BioPlex FULVIC POWER+**
- and ultimately create biofilm in the hydroponic system. Foliar use is therefore encouraged when using this input.

FOLIAR

Foliar usage of **BioPlex FULVIC POWER+** can enhance plant health, photosynthesis, and help your integrated pest management be more effective. Always apply foliar spray in the dark or right before the lights go out and never in direct sunlight.

- For regular maintenance or in conjunction with the IPM program, use **BioPlex FULVIC POWER+** at 0.5 ml/gallon.
- To prevent plant stress from transplant, pest, or disease pressure, use at 1 ml/gallon dosage.
- For sealed rooms with fresh lamps and CO2 supplementation, the dosage of **BioPlex FULVIC POWER+** can go as high as 2.5 ml/gallon.

The fulvic, amino, and organic acids in **BioPlex FULVIC POWER+** are an excellent addition to enhance the yield, resistance to perishability, taste, and aroma of your high value produce when used in hydroponic cultivation.

