

BioPlex[®] ORGANICS
5M BioCHAR Fertility POWER[™]
5M BioCHAR Fertility-Builder



**Contains 5M Biochar +
5 Probiotic Life Forms**

**A Smart, Sustainable Fertility Solution
for Premier Turf Management**

Revolutionize your turf management with smarter, more sustainable, carbon life-cycling. **5M BioCHAR Fertility-Builder** is not just another carbonaceous supplement product - it's the perfect product companion for any spoonfed fertility application. Golf courses around the world are facing increasing challenges related to improved fertility management that calls for increased awareness for greater environmental stewardship. Using biochar in combination with probiotic life forms provides for longer-term solutions and improved soil biomass footprints for championship turfgrass.

No current technology transports nutritional, probiotic chemistries into the root zone more efficiently than **5M BioCHAR Fertility-Builder** hygroscopic biochar particles.

WARNING: KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS. Adverse reactions may occur in sensitive persons. May cause skin, eye and respiratory tract irritation. Wear appropriate personal protective equipment. Do Not Swallow.

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*.

NON-PLANT FOOD INGREDIENTS:

Biochar (<i>Microbe Habitat</i>)	20%
Reverse Osmosis Water (<i>Optimize Foliar Absorption</i>)	45%
Solubilized Fish (<i>Increase Microbial Activity</i>)	20.5%
Molasses (<i>Growth of Soil Microorganisms</i>)	5.5%
Cold Processed Seaweed Extract (<i>Root Growth</i>)	3.5%
Leonardite Humic Acid (<i>Carbon</i>)	2.5%
Fulvic Acid from North American Peat (<i>Cellular Metabolism</i>)	3%

Derived from: Soluble Processed Southern Yellow Pine Biochar, Blackstrap Molasses, Fish Protein Hydrolysate, Leonardite Humic Acid, Ascophyllum nodosum Seaweed Extract, North American Peat Deposits

IMPORTANT:

- For optimal turfgrass response, spray early morning, late afternoon, or early evening if possible.
- This product may not be applied if heavy rain is expected.
- This product may only be applied to the intended application site.

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

Net Contents: 2.5 U.S. Gallons (320 Fl. Oz.) 9.46 Liters
Net Weight: 24.87 lbs (11.28 Kg)

Rates of Application

Standard Turfgrass Maintenance as a Stand-Alone Application:

5M BIOCHAR FERTILITY-BUILDER ANNUAL APPLICATION PROTOCOL. Tank-mix and apply at a rate of 2 quarts per acre per application. In a multiple application annual application program, re-apply every 4-7 weeks or sooner as needed. Spray at a rate of from 12-60 gallons of tank-mix per acre. This rate should produce a turfgrass response equivalent to an application of approximately 1/2 to 3/4 lb N from a synthetic chemical fertilizer without the downsides.

Tank-mixed with a Liquid Synthetic Fertilizer or Other Foliar Product or Pesticide:

5M BIOCHAR FERTILITY-BUILDER ANNUAL APPLICATION PROTOCOL. Tank-mix and apply at a rate of 1-2 pint per acre per application. In a multiple application annual application program, re-apply every 4-7 weeks or sooner as needed. This rate should produce a turfgrass response equivalent to an application of approximately 1/8 to 1/4 lb N from a synthetic chemical fertilizer.

Over-Seeding Renovation, Fall Root Stimulator, Spring-Green-up:

5M BIOCHAR FERTILITY-BUILDER ANNUAL APPLICATION PROTOCOL. Tank-mix and apply at a rate of 2-3 quarts per acre per application. Spray at a rate of from 12-60 gallons of tank-mix per acre. This rate should produce a turfgrass response equivalent to an application of approximately 3/4 to 1.0 lb N from a synthetic chemical fertilizer without the downsides.

Golf Course Greens, Tee, Fairway, Sod, Sports Turf:

GENERAL ANNUAL 5M BIOCHAR FERTILITY-BUILDER SPRAY APPLICATION PROTOCOL FOR STRESS PREVENTION, SPRING GREEN-UP AND OVERSEED RENOVATIONS. Apply up to a TOTAL of 1-2 quarts per acre per application. The total annual volume can be incrementally applied in 1-5 applications per year. To facilitate soil infiltration, irrigation can be applied immediately after application is completed.

5M BIOCHAR FERTILITY-BUILDER AMENDMENT SUPPLEMENT WITH AERATION TOPDRESSING. Deliver up to a TOTAL of 1.0 - 3.0 gallons per acre per growing season. Total application volume can be incrementally applied in as few as 2 applications a year. Evenly apply to the aerated surface area after debris is removed and before empty aeration holes are filled. If possible, overspray the to dressing aggregate once evenly spread and before filling aeration holes.

Biochar is IBI Certified - High molecular product weight and density, results in a residue in bottom of empty container. Triple rinse and dispose of container in accordance with applicable state laws.



Developed & Formulated by:

BioPlex Organics / Turf Chemicals Plus, Inc. • www.bio-plex.com
114 Manheim St., Mt Joy, PA 17552 • 717-653-0616

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Applied as a Nutrient Supplement for Ornamental Deep Root Feeding: 1/2 to 1 gallon per 100 gallons of water - treats 100-150 x 1" caliper trunk diameter.

Trees, Gardens, Landscape Bed Maintenance:

5M BIOCHAR FERTILITY-BUILDER ANNUAL APPLICATION PROTOCOL. Tank-mix and surface for soil apply 1-3 fl oz per gallon of water per each 1" Caliper trunk diameter or soil drench 2-3 fl oz per gallon of water per 1,000 sf area twice (2X) annually.

Transplant Tree and Shrub Installation:

Apply into the planting hole or onto the backfilled soil surface area and apply at a rate of 1-3 fl oz per 1" Caliper trunk diameter, or 4-6 fl oz per 1,000 SF bed area at the time of transplanting. As an immediate, 30-45 day transplant after-care maintenance application, apply weekly as a foliar flood - soil surface application and tank-mix at 1.0 fl oz per gallon of water and apply as needed.

Long Term Ornamental Summer Watering Post Transplant:

Add 1 pint (16 fl oz) to 1 quart (32 fl oz) per 100 gallons of water and include it in transplant watering every 14-28 days as long as water hydration is required.

BEFORE EACH USE - SHAKE WELL

TANK-MIXING INSTRUCTIONS:

For optimal results, before adding **5M BioCHAR Fertility-Builder**, make sure that the spray tank-mix water pH does NOT EXCEED 6.8 pH level and is NOT LOWER than 6.0 pH.

The **5M BioCHAR Fertility-Builder** is highly stable and will tank-mix with almost any other pesticide or liquid fertilizer. However, to ensure the best application results: (1) Fill the spray tank 1/2 with water before adding **5M BioCHAR Fertility-Builder**. Next, with the agitation active, continue to fill the total spray tank water level to the 3/4 mark before adding additional active ingredients to the tank-mix combination. As best practices recommend, to avoid needless disappointment, a simple 'jar' combination test, prior to tank-mixing new actives is always recommended ahead of time.

