

BioPlex[®] *Easy Spread* BASIC BioCHAR

Landscape, Nursery, Grower & Golf Course

Premium Greens Grade Homogenous GRANULES

Plant Health *thru* Sustainable BIOLOGY[™]



BioPlex Easy Spread BASIC BioCHAR (73% BioCHAR + 2% Seaweed + 25% Compost) contains high levels of CARBON and Oxygen, arguably the most valuable of all soil conditioners. BioCHAR is a most valuable and versatile organic soil conditioner and plays a fundamental supporting role in the neutralization of soluble salts and pesticide residues. It is remarkably stable and very porous, it provides a sustainable foundation for bio-habitats and persists a long time in the soil resulting in increased hydration and adsorption capacity in amended soils. **BioPlex Easy Spread BASIC BioCHAR** fills a unique role in porous soil matrix (bio-habitat) by facilitating the long-term retention of moisture, nutrients and Plant-Growth-Inducing-Rhizobacteria (PGIR's) - all required and necessary to sustain optimal plant and soil health as well as neutralizing existing or future soluble salt residues as a result of over application of fertilizers and/or ice-melters utilized annually in both commercial and residential landscape settings.

The general advice in the biochar community is that sustainable healthy, pro-biotic soil habitat will contain 10% BioChar by volume. Use **BioPlex Easy Spread BASIC BioCHAR** in the general soil area surrounding the root zone, and when possible, below the roots of your vegetables, flowers, grass, trees or shrubs. Your ultimate 10% target doesn't all have to incorporate into the soil all at once. When you add **BioPlex Easy Spread BASIC BioCHAR** to an area and mix it into the soil, it isn't going away any time soon. Those subsequent modifications to the root zone will continue to persist for many years to come. You can quantify your ultimate 10% by volume target by aggregating cumulative application volumes over two or more seasons.

Whether your primary objectives are related to nursery or greenhouse growing, turf maintenance, ornamental maintenance/installations, or sports turf, soils amended with **BioPlex Easy Spread BASIC BioCHAR** outperform standard unamended soils in every area of critical review for many years to come.

Sustain your "peace of mind" that your turf and ornamentals have a balanced physical bio-habitat necessary for optimized plant and soil health for many, many years to come.

APPLICATION GUIDELINES

*Ornamental Trees & Shrub Installation:

Use **BioPlex Easy Spread BASIC BioCHAR** in the area around and below the tree's root zone as best as possible. For new ornamental installations, incorporate into backfill soil at a rate of 4-8 ounces of **BioPlex Easy Spread BASIC BioCHAR** per EACH 1 inch caliper trunk diameter. Mix thoroughly into the entire volume of backfill soil surrounding root ball. For multi-stemmed plants, incorporate into backfill soil at 4-8 ounces per EACH 18-24" of plant height OR plant width - use whichever measurement is greater. For seedlings you will want to consider the area the roots will grow into and for trees planted with the burlap bag and ball of roots make your hole considerably larger than the ball and backfill with a combined soil mix.

**Vertical Mulch - Established Tree & Shrub Maintenance:

Augar (3"x10") holes, on 3 foot centers, 2 feet inside and 2 feet outside the defined dripline of the overhead canopy. Offset and stagger bored holes 3" wide by 10" deep and fill to top. Tamp lightly to complete. It will require approximately 1.5 pounds of **BioPlex Easy Spread BASIC BioCHAR** to fill EACH hole. One 40 lb box will fill approximately 27 (3"x10") holes.

Root Damage Due to Landscape Construction:

See **Refer to Guidelines in Vertical Mulch Section.

Landscape Bed Construction/Renovation:

Apply 15-20 lb **BioPlex Easy Spread BASIC BioCHAR** per 100 sq.ft. area and physically incorporate it into the top 4-6" of soil depth. Attempt to distribute the product as evenly as possible and incorporate thoroughly with appropriate mechanical tiller equipment if possible.

Container Potting Soil Supplement:

Incorporate into potting soil aggregate at 8-10% by volume. Mix thoroughly.

Gardens and Flower Bed Soil Amendment:

It is recommended that the top 4" of soil in your raised bed garden is incorporated with **BioPlex Easy Spread BASIC BioCHAR** plus potting mixes at a 50:50 mix. Used alone, incorporate at 10-15 lb per 1,000 sq.ft. bed area.

GC Green-Tee-Fairway Construction | Top Dressing:

New Construction. Evenly distribute **BioPlex Easy Spread BASIC BioCHAR** at a rate of 15-20 lb per EACH 1,000 sq.ft. Incorporate into top 2-4" of soil substrate. Top Dressing. Evenly distribute **BioPlex Easy Spread BASIC BioCHAR** at a rate of 5-10 lb per EACH 1,000 sq.ft. area per EACH seasonal or biannual application. Continue annual applications until a cumulative target of 10% by volume is achieved within your defined area. With continued use, you will most likely notice a reduction or abatement in Black Layer symptoms within your targeted root zone.

Top Soil Amendment for Poor Clay or Depleted Soils:

If your soil is severely depleted of organic matter we recommend making sure you add additional compost or mulch as a priority with **BioPlex Easy Spread BASIC BioCHAR**. You need the immediate support of some kind of additional organic material. Consider a 50:50 mix of **BioPlex Easy Spread BASIC BioCHAR** and compost and applying at 1/4 lb per square foot. You will see that is much less than 10% biochar but it is the correct 'first step' in reclaiming your land for productive planting.

New Lawn Seeding Top Dressing Soil Amendment:

Ideally for new lawns, mix the **BioPlex Easy Spread BASIC BioCHAR** into the top 4-6" of soil. Gently rake and turn the seed into the soil so that it is covered. Watering and additional coverage with straw is determined by the grass seed, climate, season, and the amount of rain you think you are going to get.

Athletic Field Top Dressing Soil Amendment:

BioPlex Easy Spread BASIC BioCHAR can effectively be top dressed annually concurrently with a core aeration protocol. Aerate, then spread **BioCHAR** at 5 lb per 1,000 sq.ft. and follow-up by dragging to incorporate soil and **BioCHAR** into aeration holes. Follow-up with one of **BioPlex Organics EarthSOURCE** natural organic bio-fertilizers.

Guaranteed Analysis:

NON-PLANT FOOD INGREDIENT(S):

Aerobically Cured Compost: 25%

Ascopphyllum nodosum seaweed: 2%

BioChar (Carbon 88%): 73%

Derived from aerobically composted poultry litter, BioChar Carbon Aggregate, Ascopphyllum nodosum seaweed

Particle Type: Homogenous Formulation

Particle Size: 1.0 - 1.5 mm | 100 SGN

Package Size: 40 LB Box



Storage and Handling

Store product in a cool, dry environment, avoid excessive heat, moisture and prolonged exposure to direct sunlight. If you are only utilizing a portion of the bag be sure to secure it tightly before storing. Recycle bag or dispose of properly if recycling facility is unavailable. Wash hands thoroughly after handling product. Refer to SDS for more details on product.

Warranty

BioPlex, Inc. warrants that this product conforms to the analysis on its label. When used in accordance with label directions, under normal conditions, this product is reasonably fit for its intended purposes. Since timing, method of application, weather, plant, and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

Net Weight
40 lb. (18.24 Kg)

