

Contains: NUTRIENTS for the Plant-FOOD, INOCULATES and HABITAT for the Soil, Microbes & Rhizophere



SUSTAINABLE Fertility
SUSTAINABLE Plant Health

BioPlex Ultimate PLANT MAINTENANCE Granules™ have been engineered to effectively support the sustainability of the "Plant / Soil / Biological Pyramidal Matrix" - the foundation of all dynamic and sustainable ecosystems. Plants require healthy soil in order to grow and successfully survive in landscape outplantings. A variety of soil factors are known to increase nutrient availability and greatly influence long-term plant health and vigor. The most influential might be the organisms comprising the soil microbial community of the rhizosphere, which is the soil surrounding the roots of plants where complex interactions occur between the roots, soil, and microorganisms. Root exudates act as substrates and signaling molecules for microbes creating a complex and interwoven relationship between plants and the microbiome. Each microorganism functions in coordination with the overall soil microbiome to influence plant health.

To a large part, current turf and ornamental management strategies are mainly dependent on inorganic chemical-based fertilizers, which over time have caused a serious threat to human health and environment. The exploitation of beneficial microbes as a bio-fertilizer has become of paramount importance for their potential role in low-input sustainable bio-fertility. The eco-friendly approaches inspire a wide range of application of plant growth inducing rhizobacteria (PGIRs), endo and ectomycorrhizal fungi, cyanobacteria and many other useful microscopic organisms that have been shown to improve nutrient uptake, plant growth and plant tolerance to abiotic and biotic stress.

BioPlex Ultimate PLANT MAINTENANCE Granules™ does not claim to have all the answers relative to effective, sustainable bio-fertility. BioPlex Ultimate PLANT MAINTENANCE Granules™ were designed and formulated specifically for the maintenance of outplanted turf and ornamentals. After carefully examining the label ingredient list, we hope you will agree that BioPlex Ultimate PLANT MAINTENANCE Granules™ supplies a comprehensive 360° degree approach to effectively support the sustainability of the "Plant / Soil / Biological Pyramidal Matrix".

DIRECTIONS FOR USE:

ORNAMENTAL TREE & SHRUB MAINTENANCE

| Smaller Ornamental Trees & Shrubs SURFACE APPLIED from Tree Collar to Outside Canopy Drip-Line | 1-2 lbs per each 18-24" plant Height or Spread – Use the Larger Dimension. 2-3 lbs per each 1" Caliper Trunk Diameter | |
|--|---|--------------------------------|
| Larger Ornamental Trees & Shrubs | 3-5 lbs per 1" caliper Trunk Diameter | |
| Ground Cover Beds Pre Mulch Soil Surface Applications Shrubbery Beds | Apply 5-7 lbs per 1000 square feet area. 10-15 lbs per 1000 square feet | |
| | | |
| | Flower Beds & Gardens | 10-15 lbs per 1000 square feet |

Application Guidelines for SUSTAINABLE TURFGRASS MAINTENANCE

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|--|--|
| Commercial Lawn Care ONE (1) Annual Application (Fall) | Evenly spread 15-20 lbs per 1000 square feet per each application |
| Commercial Lawn Care TWO (2) Annual Application's (Fall & Spring) | Evenly spread 10-15 lbs per 1000 square feet per each application |
| Commercial Lawn Care THREE (3) Annual Application's (Fall, Spring & Summer) | Evenly spread 7-10 lbs per 1000 square feet per each application |
| Turfgrass Thatch Reduction | Apply 1-5 lbs per Month per 1000 square feet April and September |
| Turfgrass Soluble Salt Neutralization | Apply 1-2X Annually at 5-7 lbs per 1000 square foot area in growing season |
| Landscape Bed Construction | Incorporate 20 lbs per 1000 square feet |
| GC Fairway Renovation | 10-15 lbs per 1000 square feet Annually |
| GC Green & Tee w-Topdressing | 5-10 lbs per 1000 square feet Annually |
| GC Greens – Tee – Fairway | Evenly apply 3-4 lbs per 1000 square feet every 6-8 weeks in active grow cycles |
| Hydroseeding Tank-Mix | Add 20 lbs per acre as a supplement to other nutrients in a tank-mix Add 40 lbs per acre as a stand-alone nutrient in a tank-mix |

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

Guaranteed Analysis:

| Composted Poultry Litter | . 49.25% | |
|---|---------------|--|
| Total Nitrogen (N): | 10.0% | |
| 0.40% Ammoniacal Nitrogen | | |
| 1.03% Nitrate Nitrogen | | |
| 2.50% Water Soluble Nitrogen | | |
| 6.07% Water Insoluble Nitrogen* | | |
| Available Phosphate (P2O5): | 3.0% | |
| Soluble Potash (K2O): | 5.0% | |
| Calcium (C): | 3.0% | |
| Derived From: Aerobically Composted Poultry Litter. Ammor | nium Sulfate. | |

Methylene Urea, Seaweed Extract, Fish Emulsion, Sulfate of Potash

* Slow Release Nitrogen from Poultry Manure and Methylene Urea

BIOLOGICAL ACTIVE INGREDIENT(S):

| Library David Color LANS | tana ta a a | | 0.4700/ |
|----------------------------|----------------------------|-----------------------------|----------------------------|
| Live Beneficial M | | ••••• | 0.178% |
| Arthrobacter globiformis | 1X10 ⁵ CFU/gram | Brevibacillus brevis | 1X105 CFU/gram |
| Azospirillum brasilense | 1X10 ⁵ CFU/gram | Cellulomonas fimi | 1X10 ⁵ CFU/gram |
| Azospirillum lipoferum | 1X10 ⁵ CFU/gram | Lysinibacillus sphaericus | 1X105 CFU/gram |
| Azotobacter chroococcum | 1X10 ^s CFU/gram | Micrococcus luteus | 1X105 CFU/gram |
| Azotobacter paspali | 1X10 ⁵ CFU/gram | Phanerochaete chrysosporium | 1X103 Prop./gram |
| Azotobacter vinelandii | 1X10 ⁵ CFU/gram | Pseudomonas fluorescens | 1X105 CFU/gram |
| Bacillus amyloliquefaciens | 1X10 ⁵ CFU/gram | Pseudomonas putida | 1X10 ^s CFU/gram |
| Bacillus atrophaeus | 1X10 ^s CFU/gram | Rhodobacter sphaeroides | 1X105 CFU/gram |
| Bacillus licheniformis | 1X10 ⁵ CFU/gram | Rhodopseudomonas palustris | 1X105 CFU/gram |
| Bacillus megaterium | 1X10 ⁵ CFU/gram | Rhodospirillum rubrum | 1X10 ^s CFU/gram |
| Bacillus pumilus | 1X10 ^s CFU/gram | Streptomyces griseus | 1X105 CFU/gram |
| Bacillus subtilis | 1X10 ⁵ CFU/gram | Trichoderma reesei | 1X103 Prop./gram |
| Bacillus thuringiensis | 1X105 CFU/gram | | |

NON-PLANT FOOD INGREDIENT(S):

| NON-PLANT FOOD IN | GREDIENT(S): |
|--|---|
| EctoMycorrhiza (11 Specie | es) 1.275% |
| Rhizopogon villosullus R. luteolus R. amylopogon R. fulvigleba (95 million prop./lb each) Pisolithus Tinctorius (568 million prop./lb) Laccaria bicolor | L. laccata (38 million prop./lb each) Scleroderma cepa S. citrinum (189 million prop./lb each) Suillus granulatus S. punctatapies (118 million prop./lb each) |
| EndoMycorrhiza (9 Specie Glomus intraradices G. mosseae G. aggregatum G. etunicatum (5,900 prop./lb each) G. clarum | G. deserticola Gigaspora margarita Paraglomus Brasilianum G. Monosporum (454 prop./lb each) |
| Fish Emulsion: | th (Axis®): |
| | |

Derived From: Ascophyllum Nodosum Seaweed Extract, Humic Substance, AXIS^a Diatomaceous Earth, BioChar Carbon, Fish Hydrolyze, BioPlex AminoMAXX

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 MSDS 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.

Net Weight 20 lb. Bag (9.12 Kg)

