

BioPlex[®] Healthy 4-SEASON Landscape Granules™

FEED, PROTECT & PREVENT

Contains: Organic NPK Nutrients,
BioCHAR Carbon, AXIS Diatomaceous
Earth, Seaweed Extract, Humates,
Endo, EctoMycorrhiza, PGIR
(Plant Growth Inducing Rhizobacteria)



BioPlex Healthy 4-SEASON Landscape 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. In affect, 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 sustainable plant health.

BioPlex Healthy 4-SEASON Landscape Granules™ provide an agronomically sound, eco-friendly approach to introduce a wide range of plant growth inducing rhizobacteria (PGIRs), endo and ectomycorrhizal fungi, cyanobacteria, bio-carbon, seaweed, calcined diatomaceous earth, humates and many other useful microscopic organisms that have been shown to improve nutrient uptake, plant growth and plant tolerance to abiotic and biotic stress. Sustainable fertility depends fundamentally on digestible food for the plant, food for the soil and food for the diversified beneficial and fungi colonies within the rootzone. **BioPlex Healthy 4-SEASON Landscape Granules™** exploits the importance of beneficial microbes as a bio-fertilizer that have increasingly become of paramount importance for their potential role in low-input sustainable bio-fertility.

After carefully examining the label ingredient list, we hope you will agree that **BioPlex Healthy 4-SEASON Landscape Granules™** supplies a comprehensive 360° degree approach to effectively support the sustainability of the "Plant / Soil / Biological Pyramidal Matrix".

DIRECTIONS FOR USE:

ANNUAL ORNAMENTAL TURF & LANDSCAPE MAINTENANCE

• **Evenly Apply in Spring and Fall as Surface Applications:**

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

• **Ice-Melter, Soluble Salt Landscape Damage Prevention:**

Landscape Beds Trees - Shrubs - Groundcovers Single applications, under normal seasonal snowfall and ice events will remain effective for approximately 60-90 days. In the event of excessive or higher than normal, more frequent seasonal snowfall and ice events, effective ornamental protection may be reduced to 45-60 days per each application treatment. To ensure and continue effective landscape protection, a timely, repeat application would then be recommended at the original rate of application.	Pre-treat beds and around individual ornamental plants as if you were applying an annual fertilization. You actually are. Utilize a hand-held spreader to ensure thorough, even distribution of the product. Apply at a rate of 5-10 lbs per 1000 sq ft area per each application.
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Guaranteed Analysis:

Composted Poultry Litter	45%
Total Nitrogen (N):	2.0%
0.40% Ammoniacal Nitrogen	
1.03% Nitrate Nitrogen	
0.20% Water Soluble Nitrogen	
0.37% Water Insoluble Nitrogen*	
Available Phosphate (P2O5):	1.0%
Soluble Potash (K2O):	1.0%
Calcium (C):	3.0%

Derived From: Ascophyllum Nodosum Seaweed Extract, Aerobically Composted Poultry Litter, Humic Substance, AXIS[®] Diatomaceous Earth, BioChar Carbon
* Slow Release Nitrogen from Poultry Manure and Methylene Urea

BIOLOGICAL ACTIVE INGREDIENT(S):

Live Beneficial Microbes	0.178%		
Arthrobacter globiformis	1X10 ⁸ CFU/gram	Brevibacillus brevis	1X10 ⁸ CFU/gram
Azospirillum brasilense	1X10 ⁸ CFU/gram	Cellulomonas fimi	1X10 ⁸ CFU/gram
Azospirillum lipoferum	1X10 ⁸ CFU/gram	Lysinibacillus sphaericus	1X10 ⁸ CFU/gram
Azotobacter chroococcum	1X10 ⁸ CFU/gram	Micrococcus luteus	1X10 ⁸ CFU/gram
Azotobacter paspali	1X10 ⁸ CFU/gram	Phanerochaete chrysosporium	1X10 ⁸ Prop./gram
Azotobacter vinelandii	1X10 ⁸ CFU/gram	Pseudomonas fluorescens	1X10 ⁸ CFU/gram
Bacillus amyloliquefaciens	1X10 ⁸ CFU/gram	Pseudomonas putida	1X10 ⁸ CFU/gram
Bacillus atrophaeus	1X10 ⁸ CFU/gram	Rhodobacter sphaeroides	1X10 ⁸ CFU/gram
Bacillus licheniformis	1X10 ⁸ CFU/gram	Rhodospseudomonas palustris	1X10 ⁸ CFU/gram
Bacillus megaterium	1X10 ⁸ CFU/gram	Rhodospirillum rubrum	1X10 ⁸ CFU/gram
Bacillus pumilus	1X10 ⁸ CFU/gram	Streptomyces griseus	1X10 ⁸ CFU/gram
Bacillus subtilis	1X10 ⁸ CFU/gram	Trichoderma reesei	1X10 ⁸ Prop./gram
Bacillus thuringiensis	1X10 ⁸ CFU/gram		

NON-PLANT FOOD INGREDIENT(S):

EctoMycorrhiza (11 Species)	0.977%
Rhizopogon villosullus	L. laccata
R. luteolus	(38 million prop./lb each)
R. amylopogon	Sclerotium cepa
R. fulvigleba	S. citrinum
(95 million prop./lb each)	(189 million prop./lb each)
Pisolithus tinctorius	Suillus granulatus
(568 million prop./lb)	S. punctatapius
Laccaria bicolor	(118 million prop./lb each)

EndoMycorrhiza (9 Species)	0.845%
Glomus intraradices	G. deserticola
G. mosseae	Gigaspora margarita
G. aggregatum	Paraglomus Brasilianum
G. etunicatum	G. Monosporum
(5,900 prop./lb each)	(454 prop./lb each)
G. clarum	

Calcined Diatomaceous Earth (Axis [®]):	4.0%
Humic Substance:	6.0%
Ascophyllum nodosum seaweed Extract:	3.0%
BioChar (Carbon 88%):	40.0%

Derived From: Ascophyllum Nodosum Seaweed Extract, Humic Substance, AXIS[®] 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)

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



114 Manheim St • Mt Joy, PA 17552 • BioPlex@EarthLink.net