

# Complete STRESS MANAGEMENT – PREVENTATIVE & CURATIVE

Effective on Turf, Established Ornamentals & Transplants

## BioPlex® STRESS POWER+

PREVENTIVE & CURATIVE SYMPTOM MANAGEMENT

Stopping plant stress and rehabilitating weakened or damaged turf or specimen ornamental plants pose unique challenges that require both a strategic and scientific understanding of the causal pathology that induces plant decline related to stress.

**BioPlex STRESS POWER +** utilizes multiple plant pathways to stop and reverse plant symptoms induced by stress. (1) **Bio-stimulation** [seaweed, fulvic, amino L-18], (2) **Bio-nutrient stimulation** [N, P, K, micronutrients], (3) **Soil amending** [seaweed, fulvic acid, endo and ectomycorrhizae], (4) **Soil structure** modification [wetting agent, alkyl block polymer], and (5) **Bio-remediation** [9 microbial and biological probiotics].

**BioPlex STRESS POWER +** measures successful turf and ornamental rehabilitation through strategic ingredient inputs and formulation technology. Whether used on turf or ornamentals, **BioPlex STRESS POWER +** has proven to be predictable, dependable, safe and cost-effective! It can be utilized quite effectively as a preventative as part of daily maintenance practices or in conjunction with curative maintenance protocols and objectives. Results are dependable, predictable and ultra effective. Use as a preventative or curative. Safe and effective on all types of cool and warm season grasses.

Information regarding the contents and levels of metals in this product is available on the internet at [www.aapfco.org/metals.html](http://www.aapfco.org/metals.html)

### GUARANTEED ANALYSIS:

<b>Total Nitrogen (N)</b> .....	1.00%
.01% Nitrate Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> ....	2.00%
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	2.00%
<b>Boron (B)</b> .....	0.03%
<b>Copper (Cu)</b> .....	0.05%
.05% Chelated Copper (Cu)	
<b>Iron (Fe)</b> .....	0.09%
.09% Chelated Iron (Fe)	
<b>Magnesium (Mg)</b> .....	0.05%
.05% Chelated Magnesium (Mg)	
<b>Manganese (Mn)</b> .....	0.04%
.04% Chelated Manganese (Mn)	
<b>Molybdenum (Mo)</b> .....	0.002%
<b>Zinc (Zn)</b> .....	0.04%
.04% Chelated Zinc (Zn)	

*Derived from: Fish Hydrolysate, Potassium Nitrate, Monopotassium Phosphate, Magnesium EDTA, Sodium Borate, Copper EDTA, Iron EDTA, Manganese EDTA, Zinc EDTA.*

### NON-PLANT FOOD INGREDIENT(S):

<b>Fulvic Acid</b> (Nutrient Mobility) .....	2.00%
<b>Ascophyllum Nodosum Seaweed Extract</b> (Root Growth) .....	5.5%
<b>L-Amino Acid</b> (Build Protein) .....	2.5%
<b>Polymethylsiloxane</b> (Nutrient Translocation) .....	2.00%
<b>Alkyl Block Polymer</b> (Bio Availability) .....	2.00%

*Derived from: Ascophyllum Nodosum, Humic Substance, Protein Hydrolysate, Non Ionic Wetting Agent.*

### BIOLOGICAL ACTIVE INGREDIENT(S):

Ecto Mycorrhiza .....	7600 CFU/g
Endo Mycorrhiza .....	2466 CFU/g
Bacillus Megaterium .....	1230 CFU/g
Bacillus Cereus .....	1230 CFU/g
Bacillus Licheniformis .....	1230 CFU/g
Bacillus Pasteurium .....	1230 CFU/g
Bacillus Subtilis .....	1230 CFU/g
Bacillus Thuringiensis .....	1230 CFU/g
Nitrosomas Europeosa .....	563 CFU/g
Nitrobacter Winogradsky .....	563 CFU/g
Paenibacillus Azotofixans .....	1230 CFU/g

**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**.

**CAUTION:** The application of fertilizing materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo), which is toxic to ruminant animals.

**Net Contents:**

**1.0 U.S. Gallon (128 Fl. Oz.) 3.875 Liters**

## Rates of Application

**GC Greens, Fairways & Tees, Cool & Warm Season Grasses, Lawn Care Maintenance, Sports Turf:** First Application ONLY. Tank-mix at 4.0 fl. oz. concentrate per 1,000 sq. ft. and apply at a rate of 0.5-3 gallons of tank-mix per 1,000 sq. ft. Follow-up Application & After Care Maintenance - tank-mix and apply at 3 fl. oz. concentrate per 1,000 sq. ft. and apply at a rate of 0.5-3 gallons of tank-mix per 1,000 sq. ft. Re-apply every 4-8 weeks or sooner if required. Tank-mix compatible with most liquid fertilizers or pesticides. Non-Phytotoxic and safe for use on all warm and cool season turf grasses. To increase plant function and more aggressively reduce thatch and inoculate soils with beneficial bacteria, tank mix with **BioPlex FULVIC POWER+** at 1.5 fl. oz. per 1,000 sq. ft. To combine with an NPK fertilizer for an extended green-up response, combine it with **BioPlex 808 GREEN POWER+** at 3 fl. oz. per 1,000 sq. ft.

**Applied as a Deep Root Feed:** Tank-mix at 1 gallon per 100 gallons of water - treats 100-150 x 1" caliper trunk diameter. Hydro-Seeding: Depending on the nutritional requirements of your seed slurry composition, tank-mix and apply 0.50 to 2.0 gallons per acre as (1) one of other ingredient components in the overall tank-mix combination.

**New Installed or Established: Flowers, Bedding Plants & Ground Covers Annuals, Small Perennials, Bulbs & Tubers:** Surface apply 2-4 fl. oz. per 1,000 sq. ft. in enough water (2-4 gallons) to achieve thorough coverage. Reapply every 30-60 days or sooner if necessary.

**Established Ornamental Maintenance and New Ornamental Installations & Transplants:** Apply 1-2 gallons concentrate per 100 gallons (1.25 - 2.5 fl. oz. per 1 gallon of water) and apply at a rate of 2 gallons (minimum) of tank-mix per EACH 1" caliper trunk diameter as a root drench as maintenance or as part of the final hydration protocol prior to backfilling the planting hole when installing plant material. Multi-stem or spreading plants, 18-24" of plant height or spread equates to 1" caliper trunk diameter for rate-dosing. **Follow-up & After Care** - Reapply at same rate every 30-45 days or sooner if necessary throughout the active growing season.

**New Seeding, Over-Seeding, Sodding Cool & Warm Season Grasses:** Tank-mix and apply at 1-2 fl. oz. per 1,000 sq. ft., tank-mix and apply within the range of 43.5-120 gallons of water per acre Tank-mix compatible with most liquid fertilizers and pesticide tankmixes. Can be applied 2-3 days prior to or 2-3 days after seeding.

**Greenhouse & Nursery Grower:** Tank-mix 1-2 gallons per 100 gallons (1.25 - 2.5 fl. oz. per 1 gallon of water) and apply as a surface root drench or foliar drench. **Injection: Applied Daily** - Pre-mix 1 quart in enough water in a nurse-tank to inject @ 1:100 dilution per 20,000 sq. ft. area and apply through drip or spray to soil, growing media and/or foliage. **Applied 2X per Week** - Pre-mix 3 quart in enough water in a nurse-tank to inject @ 1:100 dilution per 20,000 sq. ft. area and apply through drip or spray to soil, growing media and/or foliage.

**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](http://www.bio-plex.com)**

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