

BioGreen™

5-0-1

GUARANTEED ANALYSIS

Total Nitrogen (N)	5%
5% Urea Nitrogen	
Soluble Potash (K2O)	1%
Sulfur (S)	2%
2% Combined Sulfur (S)	
Iron (FE).....	4%

Product Description:

Because of Bio Green's unique bio based formulation, it is effective in all types of soil and on all types of plant life.

Professional turf, lawns, flowers, shrubbery, trees, row and forage crops, pastures and natural habitats, etc. all thrive with Bio Green. Bio Green is ideal for spray applications to turf, foliar feed, trunk spray and root injection of trees and ornamentals. Bio Green is non-clogging and non-abrasive to equipment.

Bio Green uses nutrients that focus on the expansion of topsoil organisms. By providing foods based on pH, nutrient content and a large number of physiological factors, that these organisms will use efficiently, the numbers of these organisms will return to properly balanced populations quickly. Additionally, the plant nutrients in Bio Green are held in suspension in the liquid concentrate and are readily available to the seeds or plants. They become readily available to the seeds or plants when catalyzed with water and applied.

Application Recommendations

Tank Mixing: Dilute product in a tank sprayer at a rate of 20 gallons of water to 1gallon of Bio Green concentrate.

Apply 5 gallons of concentrate per acre on turf and trees.

Product can be mixed at a maximum rate of 10 to 1.

Golf Course: Apply up to 2 gallons per acre weekly to tees and greens. Fairways: apply at a maximum rate of 5 gallons per acre monthly.

Sports Field: Apply at a rate of 6 gallons of Bio Green concentrate per acre every 6 weeks. (If weekly or bi-weekly applications are used, divide application rate accordingly)

For Distressed Turf and Turf with Insect Problems : Apply weekly at a rate of 3 gallons of Bio Green concentrate per acre until health of turf is restored. Spot treat pest, weed or fungus accordingly

Sod Production:

1) Two Applications

Apply at a rate of 3 gallons per acre at seeding and at 2 weeks prior to cutting.

2) Three Applications

Apply at a rate of 2 gallons per acre at seeding, at mid season and at 2 weeks prior to cutting.

Storage and Handling:

All Bio Green products can be stored in normal warehouse areas. They do not require special or hazardous material handling or storage. Bio Green has a slightly acidic pH, but is neither corrosive or abrasive.

Because Bio Green nutrients are held in a concentrated suspension, the product must not be exposed to freezing temperatures

Environmental Commitment:

Bio Green USA is committed to the preservation of our environment. Our goal is to nurture the soils and plant life of lawns and landscapes while protecting the environment from the pollutants associated with synthetic fertilizer and the over-use of pesticides and herbicides. We are committed to

Reduce, Re-use, Recycle and Re-buy.

Concentrate must be agitated well before use.

Manufactured and guaranteed by

Bio Green USA Inc.

1822 3rd Ave Kearney, NE 68845

(877) 246-2406

www.biogreen.com

*Derived from Urea, Potassium Sulfate, & Ferrous Sulfate
Contains non-plant food ingredients, Humic Acid and Kelp*



5-0-1-2-2PTN PROFESSIONAL TURF NUTRITION™



At Bio Green USA, we believe that all plants need a healthy diet. That's why we developed concentrated and ready to use fertilizer product for professional use. Using Bio Green products on your professional turf and landscape increases color, produces longer lasting blooms, adds significant growth to all types of trees shrubs, flowers and produces stress resistant turf.

Bio Green's patent pending formulas are a mix of liquid fertilizer, plant nutrients and soil amendments; blended for professional turf, trees and shrubs. All ingredients are environmentally friendly and safe for children and pets with no wait time. The turf is ready for use immediately after the fertilizer has been applied.

At Bio Green, we believe that if we take care of the plants and soil, they will take care of us. By using our high quality products, you are contributing to the health and well being of all of those around you as well as your neighbors downstream. Our products are engineered to produce outstanding results from the ground up, without the harmful side effects of pollutants.



GUARANTEED ANALYSIS

5% Nitrogen (Feed Grade Urea)
0% Phosphate
1% Soluble Potash
2% Sulfur
2% Iron
Magnesium
Calcium
Manganese
Zinc
Copper
70 Colloidal minerals,
Norwegian kelp with cytokinins,
humic, fulvic, and amino acids

PROVEN PERFORMANCE

- 88 % Bio Based Content
- Nutrients are immediately available to the plants.
- Safe for use around children and pets.
- Produces a lush green, healthy and stress resistant turf.
- Produces beautiful flowers.
- Produces healthy trees and shrubs.
- Naturally balances soil.
- USDA BioPreferred product.
- All ingredients are sourced and manufactured in the USA.

BIO GREEN MICRO NUTRIENT PACKAGE

Silver	Magnesium	Rhodium	Tungsten
Aluminum	Zinc	Manganese	Aspartic acid
Gold	Zirconium	Molybdenum	Glutamic acid
Boron	Selenium	Sodium	Serine
Barium	Uranium	Nickel	Threonine
Carbon	Bismuth	Oxygen	Clycine
Calcium	Beryllium	Osmium	Alanine
Chlorine	Niobium	Rubidium	Valine + methionine
Cobalt	Cadmium	Sulfur	Leucine
Copper	Chromium	Antimony	Isoleucine
Fluorine	Cesium	Silicon	Phenylalanine
Iron	Gallium	Tin	Tyrosine
Germanium	Indium	Strontium	Tryptophan
Hydrogen	Iridium	Tellurium	Cystine
Nitrogen	Palladium	Titanium	Arginine
Iodine	Platinum	Thallium	Proline
Potassium	Thorium	Vanadium	Histidine
Lanthanum	Radium	Cerium	Amide Nitrogen
Lithium	Bromine	Lysine	

- Visit us at www.biogreen.com
- Email Us info@biogreen.com
- Call Toll Free 877-246-2406



BioGreen™

Product Specifications

Nitrogen derived from Feed Grade Urea,
Potassium derived from sulfate of potash
Iron derived from ferrous sulfate.

Contains non plant food ingredients:

- 10% Humic Acid from Leonardite
- 7% Fulvic Acid
- 2% North Atlantic Kelp (ascophyllum nodosum)

Weight per gallon..... 9.5 lbs.

pH..... 3.9

Nitrogen per gallon..... .48 lbs nitrogen

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Bio Green is complete:

- It contains all of the macro and micro nutrients necessary for healthy plant development.
- It promotes the development of a healthy soil food web which is essential for building topsoil.

**Concentrate must be well agitated
before use.**

Suggested Uses:

Bio Green 5-0-1-2-2 liquid fertilizer is recommended for all turf grass applications, including warm season grasses. It is very effective in hydro-seeding applications. Bio Green is ideal for both healthy and distressed trees. It is effective on shrubbery, ornamentals, flowers and home gardens. Nursery plants thrive on Bio Green liquid fertilizer.

Application Recommendations

Tank Mixing: Dilute product in a tank sprayer at a rate of 20 gallons of water to 1gallon of Bio Green concentrate. Apply 5 gallons of concentrate per acre on turf and trees. *Product can be mixed stronger (up to 10 to 1).*

Golf Course: Apply weekly at a rate of 1 gallon of Bio Green concentrate per acre to all turf areas.

Sports Field: Apply at a rate of 6 gallons of Bio Green concentrate per acre every 6 weeks. (If weekly or bi-weekly applications are used, divide application rate accordingly)

For Distressed Turf and Turf with Insect Problems :

Apply weekly at a rate of 2 gallons of Bio Green concentrate per acre until heath of turf is restored. Spot treat pest, weed or fungus accordingly

Trees: Dilute at normal rate. Apply a soaking spray to tree from top to bottom on foliage and trunk. Apply 3-5 times per season. *For distressed trees, apply every 3 weeks.*

Shrubs and Flower Beds: Dilute at normal rate. Apply a soaking spray to plants on the foliage and stems. Apply every 4-6 weeks.

Sod Production:

1) Two Applications

Apply at a rate of 3 gallons per acre at seeding and at 2 weeks prior to cutting.

2) Three Applications

Apply at a rate of 2 gallons per acre at seeding, at mid season and at 2 weeks prior to cutting.

Storage and Handling:

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Keep out of Reach of Children

- If product comes in contact with skin or eyes, flush with water immediately.

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877-246-2406

www.biogreen.com

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier BIO GREEN PRO TURF NUTRITION 5-0-1-2-2		[WHMIS Classification]	
Product Use AGRICULTURAL AND HORTICULTURAL PLANT FOOD/SOIL AMMENDMENT			
Manufacturer's Name BIO GREEN USA INC		Supplier's Name BIO GREEN USA INC	
Street Address 1822 3RD AVE.		Street Address 1822 3RD AVE.	
City KEARNEY	State NE	City KEARNEY	State NE
Postal Code 68845	Emergency Telephone 7757718750	Postal Code 68845	Emergency Telephone 7757718750
Date MSDS Prepared 1/1/2008	MSDS Prepared By JOHN PERRY		Phone Number 7757718750

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NO HAZARDOUS MATERIAL				
PRESENT IN MIXTURE				
COMPOSITION IS				
PROPRIETARY				

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
[Emergency Overview]					
[WHMIS Symbols]					
Potential Health Effects MAY CAUSE REDNESS OF SKIN OR EYE IRRITATION					

SECTION 4 — FIRST AID MEASURES

Skin Contact WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINTED CLOTHING AND WASH BEFORE RE-USE. SEE PHYSICIAN IF SKIN BECOMES IRRITATED
Eye Contact FLUSH IMMEDIATLEY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS
Inhalation MOVE TO FRESH AIR. IF BREATHING BECIMES DIFFICULT, CALL PHYSICIAN.
Ingestion IRRITATION MAY OCCUR. CONTACT POISON CONTROL IMMEDIATLEY

57M6 (6/99)

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction FOAM, DRY CHEMICAL, WATER SPRAY		
Flashpoint (° C) and Method N/A	Upper Flammable Limit (% by volume) NOT DETERMINED	Lower Flammable Limit (% by volume) NOT DETERMINED
Autoignition Temperature (°C) NOT AVAILABLE	Explosion Data — Sensitivity to Impact NONE	Explosion Data — Sensitivity to Static Discharge NONE
Hazardous Combustion Products NONE		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
PREVENT PRODUCT SPILLAGE FROM ENTERING STREAMS OR WATER SUPPLIES. COLLECT LIQUID OR ABSORB ONTO ABSORBANT MATERIAL AND PACKAGE FOR DISPOSAL FOLLOWING STATE AND FEDERAL REGULATIONS

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
TRANSFER USING CHEMICAL RESISTANT PUMPS, VAALVES, AND HOSES. STORE IN PLASTIC CONTAINERS
Storage Requirements
STORE IN PLASTIC CONTAINERS IN A COOL WELL VENTILATED AREA. DO NOT STORE BELOW 40 F OR ABOVE 110 F. DO NOT STACK PALLETS MORE THAN TWO (2) HIGH.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type- EYES – CHEMICAL DUST SPLASH/DUST GOOGLES OR FULL FACE SHIELD TO PREVENT EYE CONTACT. AS A GENERAL RULE, DO NOT WEAR CONTACT LENSES WHEN HANDLING
SKIN – WEAR IMPERVIOUS GLOVES AND CLOTHING RESPIRATORY- NOT NORMALLY NEEDED. IF USE GENERATES MIST, USE NIOSH- DUST/MIST REPIRATOR (SUCH AS 3M #8710)
VENTILATION- RECOMMENDED, BUT NO TLV ESTABLISHED

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State LIQUID	Odor and Appearance EARTHY/ORGANIC ODOR. BROWN VISCOUS LIQUID	Odor Threshold (ppm) N/A
Specific Gravity 1.35	Vapor Density (air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (° F) 212 F	Freezing Point (° F) 28 F
Ph 3.5	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] 100%

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
Reactivity, and under what conditions?	
Hazardous Decomposition Products – IF BURNING, WILL RELEASE CARBON MONOXIDE/CARBON DIOXIDE	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
EYES-MILD IRRITANT. MAY CAUSE REDNESS/BURNING. SKIN-MILD IRRITANT, ESPECIALLY FROM PROLONGED EXPOSURE MAY OCCUR. INGESTION-MAY CAUSE CRAMPS OR NAUSEA. INHALATION-MILD IRRITATION MAY OCCUR	
Effects of chronic exposure NOT KNOWN	
Irritancy of Product	
Skin sensitization N/A	Respiratory sensitization N/A
Carcinogenicity-IARC N/A	Carcinogenicity - ACGIH
Reproductive toxicity N/A	Teratogenicity N/A
Embrototoxicity N/A	Mutagenicity N/A
Name of synergistic products/effects N/A	

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] ALGAL GROWTH INHIBITION – NOT KNOWN. TOXICITY TO FISH AND INVERTEBRATES-NOT KNOWN. TOXICITY TO PLANTS NO. TOXICITY TO NIRDS - NO

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal DO NOT CONTAMINATE LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR ANY OTHER BODIES OF WATER BY DISCHARGE OF EFFLUENTS OR

WASHWATERS. DISPOSE OF WASTE EFFLUENTS ACCORDING TO STATE AND LOCAL REGULATIONS.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

NON DOT REGULATED FERTILIZER COMPOUNDS (MANUFACTURED) LIQUID NMFC ITEM 68140 SUB 6 LTL CLASS 70

PIN

TDG

[DOT]

[IMO]

[CAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] NONE

[OSHA]
NONE

[SERA] NONE

[TSCA]
NONE

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION