



Nature's Pro®
Bio-Soil Science

Bio-Tree & Shrub

All-In-One with Stress Master™

Shake, Stir or Mix Contents BEFORE EACH USE

NOTICE: CONDITION OF SALE

The manufacturer, distributor, dealer or seller makes no warranty or guarantee concerning this material, its effectiveness, or use, except that it conforms to the label description. The manufacturer, distributor, dealer or seller shall not be held responsible in any manner for personal injury, property damage, or other loss resulting from the use or storage of this product when used as directed. The foregoing is a condition of sale accepted by the buyer.

Formulated in USA by:

Nature's Pro LLC
Montgomeryville, PA 18936
(800) 645-6464
www.NaturesPro.com

Fortified with
STRESS MASTER™
by



CONTAINER _____ gallons NET WT/GAL 9.9 lbs.

GUARANTEED ANALYSIS

Total Nitrogen 10%
Available Phosphate 5%
Soluble Potash..... 5%

Nutrient Sources:

Urea, Aqua Ammonia,
Ortho Phosphoric Acid,
Potassium Hydroxide

NON-PLANT FOOD

INGREDIENTS

Organic Matter17%
Humic Acid..... 1%

Non Plant Food Sources:

Leonardite

pH 6.3±

**KEEP OUT OF REACH
OF CHILDREN**

STANDARD CANOPY ROOT INJECTION

Mixing

2.5 gal concentrate per 100 gal water

Application

1 gal mixture per hole, 5 holes per inch DBH

Check Booklet for
More Mixing &
Application
Options

REV 0225

Standard Canopy DRF - 5 gal / 1" DBH

Pricing as of 11/25/24

Product	Description	Purchased In	Cost Per	Unit	\$ per Gal	Dilution Rate	\$ per Mixed Gal	Cost/DBH
Bio-Tree & Shrub	10-5-5 (diluted to 5-2-2)	265 gal. IBC	\$6,975.00	IBC	\$26.32	1.25 g /100 g	\$0.33	\$1.65
Bio-Tree & Shrub	10-5-5 (diluted to 5-2-2)	55 gal. Drum	\$1,480.00	Drum	\$26.91	1.25 g /100 g	\$0.34	\$1.70
Bio-Tree & Shrub	10-5-5	265 gal. IBC	\$6,975.00	IBC	\$26.32	2.5 g /100 g	\$0.66	\$3.30
Bio-Tree & Shrub	10-5-5	55 gal. Drum	\$1,480.00	Drum	\$26.91	2.5 g /100 g	\$0.68	\$3.40

Target Zone Feeding - 1 gal / 1" DBH

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Bio-Tree & Shrub	10-5-5 (diluted to 5-2-2)	265 gal. IBC	\$6,975.00	IBC	\$26.32	2.5 g /100 g	\$0.66	\$0.66
Bio-Tree & Shrub	10-5-5 (diluted to 5-2-2)	55 gal. Drum	\$1,480.00	Drum	\$26.91	2.5 g /100 g	\$0.68	\$0.68
Bio-Tree & Shrub	10-5-5	265 gal. IBC	\$6,975.00	IBC	\$26.32	5 g /100 g	\$1.32	\$1.32
Bio-Tree & Shrub	10-5-5	55 gal. Drum	\$1,480.00	Drum	\$26.91	5 g /100 g	\$1.35	\$1.35

Njekt Soil Injection System - 60 oz / 1" DBH

Product	Description	Purchased In	Cost per	Unit	\$ per Gal	Dilution Rate	\$ per Mixed Gal	Cost/DBH
Bio-Tree & Shrub	10-5-5	265 gal. IBC	\$6,975.00	IBC	\$26.32	12 oz / gal	\$2.47	\$1.16
Bio-Tree & Shrub	10-5-5	55 gal. Drum	\$1,480.00	Drum	\$26.91	12 oz / gal	\$2.53	\$1.19

REV1124



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Bio-Aer is a natural organic and mineral treatment that recharges and replenishes the essential soil dynamic biological equilibrium thus optimizing the soil environment for healthier lawns, trees and shrubs. Natural organic complex compounds loosen and modify the soil structure providing 100% natural aeration and improved rooting in sandy or clay soils.

- Improves air exchange (aeration) and soil drainage in compacted soils, eliminating the need for mechanical aeration that damages roots, weakens the plant (increases susceptibility to disease), and provides only 10% coverage at best. Natural aeration materials work 24/7, 365 days a year, providing 100% coverage deep into the soil.
- Increases soil microbial content, which naturally digests thatch and recycles it back into the soil, increasing the organic content and eliminating the need for mechanical de-thatching, which also injures root systems, weakens the plant, and increases susceptibility to disease.
- Improves water-holding capacity thereby decreasing water needs by 30%.
- Accelerates cell division for healthier plant growth and improved root-mass.
- Increases plant sugar content (Brix) for improved health/stress resistance.
- Improves plant color - deeper, darker green in conjunction with Nitrogen.
- Improves soil warming - earlier spring green-up and better color into winter.
- Increases plant regulators - auxins, cytokinins, gibberellins, calines, etc.
- Stimulates plant metabolism and increases vitamin content of plant.
- Improves soil physical properties - loosens clay or aggregates sandy soils.
- Improves soil Cation Exchange Capacity (CEC) - holding onto nutrients.
- Increases permeability of plant membranes, promoting nutrient uptake.
- Fosters "new" soil by active decomposition of rock, mineral and O.M.
- pH buffering and accelerated Calcium Carbonate (Lime) breakdown.
- Increases protein levels in plants and acts as an organic catalyst.
- Increases seed germination rate, vigor and viability.
- Detoxifies soil pollutants - neutralize "Black Layer" problems.
- Increases drought tolerance and wear tolerance / recovery.
- Improves activity and growth of beneficial soil microbiology.
- Chelates trace elements for better nutrition, especially Iron.
- Increases Phosphorus availability, especially in clay soils.
- Stimulates respiration, hormonal and enzyme systems.
- Increases in quantity and elongation of fibrous roots.
- Prevention and correction of chlorosis.
- Source of over 70 micro-nutrients.
- Recharges dynamic biological equilibrium in the soil.
- Effectively slows release of plant nutrients, especially Nitrogen.

**A Natural
and Better
Alternative
to Core
Aeration**

Bio-Aer

Liquid Aeration & Bio-Recharging Agent

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RECOMMENDED USES

LAWNS

- Irrigate with 1/2-1" water after application to ensure movement of active ingredients deep into the soil profile.
- Irrigation should continue through out the effective treatment period of 6-12 weeks.
- Apply 4 oz. / 1000 sq.ft. in 3-4 gal water 2- 4 times / season based on soil testing.
- A complete NPK fertilizer, preferably liquid or soluble, at a rate of 1/2-3/4 lb. N/1000 sq.ft. should be used with initial **Bio-Aer** applications for turf.
- **Bio-Aer** is compatible with most herbicides, fungicides, insecticides and fertilizers. Perform a jar test to check compatibility.
- For best results, make multiple applications every 6-8 weeks (Spring/Fall)
- DO NOT apply to drought stressed turf.

TREES/SHRUBS

- 1-2 qts. / 100 gals when used with **Bio-Tree & Shrub** for extra soil conditioning.
- 1-2 gals / 102 gals when used alone or with other brands of tree fertilizers.
- If not injecting, follow the directions for "Lawns" and soil drench.

KEEP OUT OF REACH OF CHILDREN
May be harmful if swallowed.
Store in a cool, dry location.

CONTAINER _____ **gallons**



Bio-Green

Chelated Secondary & Micro-Nutrients
with Soil Conditioners & Biological Support

Bio-Green is a concentrated blend of chelated micro-nutrients recommended for use on all ornamentals, turf, vegetables and flowers. In addition to these nutrients, Bio-Green contains Humic acid, carbohydrates, and other ingredients to support beneficial soil biology. A powerful, plant sourced conditioning agent ensures that this material will penetrate the soil to interact with plant roots and soil's microbial life. The synergistic actions of this product can provide a dramatic and lasting impact both on the plants and the soil in which they grow.

Bio-Green will enhance any N-P-K program by providing a more complete feeding that supports balanced plant growth both above and below ground. The result is healthy plant growth without heavy Nitrogen applications. It's like a multi-vitamin for your turf and plants.

Shake, Stir or Mix Contents BEFORE EACH USE
Avoid applying during hot weather
Store above 40°

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CONTAINER _____ gallons

GUARANTEED ANALYSIS

Copper (Cu)	0.25%
Iron (Fe)	5.00%
Magnesium (Mg)	0.50%
Manganese (Mn)	0.25%
Sulfur (S)	4.00%
Zinc (Zn)	0.50%

Micro and Secondary Nutrients derived from: Copper Sulfate, Iron Sulfate, Magnesium Sulfate, Manganese Sulfate, and Zinc Sulfate

KEEP OUT OF REACH OF CHILDREN

May be harmful if swallowed.
Store in a cool, dry location.

RECOMMENDED USES

19-POINT PRESCRIPTION SOIL ANALYSIS

Follow the recommendations of the Laboratory report.

TURF

As a general supplement, apply 3-4 oz. in one or more gallons of water per 1000 sq. ft. beginning in early spring and repeat 3-4 times yearly.

SHRUBS, FLOWERS & VEGETABLE GARDENS

Apply 3 oz. in one or more gallons of water per 100 sq ft. and repeat up to 3 times per season.

TREES

Apply 2 oz. per each inch of DBH in 5 gallons of water once per year or combine with **Bio-Tree & Shrub Fertilizer** @ 1 quart per 100 gallons of mix.

MIXING DIRECTIONS

Fill tank half-way with water. As tank continues to fill, slowly pour **Bio-Green** into tank and agitate sufficiently until mixed. NOTE: If mixing with other products, mix a test batch first to assure compatibility.

MORE MONEY MAKING TIPS BY USING BIO-TREE & SHRUB

Nature's Pro® Bio-Tree & Shrub is a unique product that addresses all three essential plant requirements:

- 1) Complete, balanced nutritional formula with plant-sourced, food or tech-grade ingredients.
- 2) A variety of food resources to support and promote healthy soil biology.
- 3) Plant-sourced ingredients to condition soil, relieving hard and compacted conditions.

Alternative Application Methods Targeted Zone Application Method ~

Goal - make nutrients quickly available to the tree or shrubs, to generate a faster response. Therefore, application is targeted at the greatest quantity of small, highly absorptive root hairs closest to the root crown.

Mix Rate - 1:19 - Mix 5 gallons of Bio-Tree & Shrub with 100 gallons of quality water.

Application - 1 gallon per DBH using saturation injections beginning immediately next to the root flair. Proceed in concentric circles making certain that the liquid is filling all available soil pores, like an underground drench. For trees under 15" DB injections will be within 4 ft. of the trunk and within 7 ft. for larger trees.

Economic Benefits -

- 1) Lower product cost.
- 2) Dramatic savings of labor cost.
- 3) Treats 5 times more with the same sprayer capacity.

Critical Care Application Program

Goal - specifically for trees under stress, in decline or with various nutritional deficiencies like chlorosis. NOTE: Urban trees are always under stress!

Applications -

- 1) Treat with Tree Growth Regulator such as ShortStop®.
- 2) Use Targeted Zone Application within 30 days, but not at the same time as TGR application
- Mix Rate** - 1:19 - Mix 5 gallons of Bio-Tree & Shrub with 100 gallons of quality water.
- 3) For severe nutritional issue like chlorosis, add 1oz **Bio-Green** per DBH or similar product.
- 4) Bio-Soil Critters can also be added to Bio-Tree & Shrub to increase soil biology.

Compacted Soil

Alternatives for Creating Deep Root Zones, Better Aeration & Increased Water Retention

Bio-Aer - low cost, simple alternative to mechanical aeration with no damage to irrigation lines, buried dog fences and no negative visual impact.

Soil Additives - pH, calcium, salt and chloride levels, as well as other soil related issues impact plant health. Order a high quality, comprehensive horticultural soil test (not agricultural) like

Prescription Soil Analysis to get the most complete, soil-type and plant-specific recommendations based on nearly 50 years of research and development. Nature's Pro Bio-Tree and Shrub has been used on a wide variety of plants, growing in diverse soils and climates throughout the US.



Bio-Tree & Shrub Product Characteristics

- Lower nitrogen levels reduce disease incidence and structural weakness.
- Comprehensive array of nutrients addresses all but the most severe deficiencies.*
- Additional non-nutrient co-factors enable more efficient nutrient function.
- Plant-sourced soil conditioners relieve compaction, enable deeper water, air and nutrient penetration and exchange.
- Uses food grade and other highly absorbable nutrient sources which are low salt & pH neutral.
- High humate content chelates nutrients for as needed, when-need availability.
- Multiple food sources promote growth in microbial populations, thus enhancing nutrient availability.
- Liquid product is easy to mix, less damaging to equipment, and stays in suspension much better.
- Custom formulations available upon request.

*by other Nature's Pro plant and soil health-supporting products.

(800) 645-6464 or Info@NaturesPro.com