

**This N-P-K formulation is based on science - 50 years of research and 1000's of soil tests, indicating very little need for phosphorus and potassium . . .**

**BIO-TREE & SHRUB with ORGANIC SOIL CONDITIONERS, BIOLOGICAL SUPPORT and STRESS MASTER**

Significantly improves soil porosity, allowing for deeper water penetration and better air exchange which . . . .

- Increases beneficial soil microbes as part of the natural food-web that builds organics within the soil profile.
- Supports organic matter, improves water-holding capacity for better soil moisture retention, decreases water needs by as much as 30%, and thereby increases drought tolerance and stress recovery.
- Increases quantity and activity of soil microbes, making more nutrients available and increasing nutrient uptake.
- Accelerates cell division for healthier plant growth and improved root-mass including elongation of fibrous roots.
- Bio-Tree & Shrub with Stress Master helps control Phytophthora, Downy Mildew and Pythium.
- Increases production of natural fungicides (phytoalexins) providing additional organic disease controls.
- Supplies plant growth regulators including auxins, cytokinins, gibberellins, calines and many others.
- Stimulates plant metabolism which increases vitamin and plant sugar content as well as protein levels.
- Improves soil physical properties (loosens clay OR aggregates sandy soils) while creating "new" soil by active decomposition of rocks, minerals and organic matter.
- Detoxifies soil pollutants, neutralizes "Black Layer" issues and helps prevent the development of "clay pans."
- Improves soil Cation Exchange Capacity (CEC) which effectively reduces the potential of leaching.
- Increases permeability of plant membranes, promoting nutrient uptake to help prevent/cure issues like chlorosis.
- Stimulates and balances many physiological activities including respiration, hormonal and enzyme activity.

## Health Care Professionals and Diagnostic Testing

You are a health care professional for plants. You know that the tree or shrub you are paid to care for can only be as healthy as the soil in which it grows. So how healthy is the soil you have to care for? What testing method do you use to determine the soil's health?

The majority of soil testing companies use an agricultural testing method designed for crops, plants grown for one season, then harvested. Not you.

You need a Horticultural Testing method, much different, designed for plants that can live for decades, not months. That test needs to check not only nutrients, but soil type and biological activity. The recommendations should be easy for you and your customers to read and follow.

But most importantly, the prescription for a healthy plant would be for "that plant in that soil". "That soil" is what you have to use to make, and keep, the plant healthy.

Only one Horticultural Testing service excels at meeting all of these requirements. Prescription Soil Analysis has been providing 19 - point comprehensive soil testing prescriptions for 40 years for "that plant in that soil". The difference can literally be life or death.

Experience the difference of a horticultural test. Be our guest. If you have never used Prescription Soil Analysis, we invite you to get a free test. Pick your most challenging problem, then call me, Keith Maurer, and I will arrange for your complimentary test.

You have nothing to lose. Your plants - everything to gain!

### Nature's Pro organic-based specialty products:

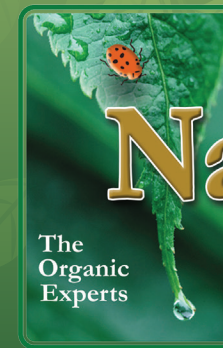
**Bio-Tree & Shrub** ~ The high quality nitrogen and Dr. Shigo's recommendations for low Nitrogen may make our 5-2-2 formulation appropriate for most applications.

**Bio-AER** ~ Humic acids, soil conditioners, growth hormones and biological support materials.

**Bio-Green** ~ Bio-Aer with extra chelated micro-nutrients.

**Bio-Grow** ~ Bio-Aer plus Phosphorus and Potash.

**Bio-Tea** ~ A two-part alternative to compost tea that **does not** require brewing, constant aeration or special pumps and application equipment.



# Nature's Pro<sup>®</sup>

## Bio-Soil Science

# Bio-Tree & Shrub

## All-In-One with Stress Master<sup>™</sup>

### Organic-Based, Complete & Balanced Plant Nutrition, Soil Conditioners, Enhanced Health & Biological Support

#### **PRECAUTIONS:**

- Avoid feeding plants during hot weather, dry soil or other stressful conditions.
- Store above freezing.
- Shake, stir or mix contents before each use.



Manufactured in the USA by:  
Nature's Pro LLC  
Jonestown, PA 17038  
(800) 645-6464

Fortified with  
STRESS MASTER<sup>™</sup>

by

**Quest**  
Products Corp.

## Standard Canopy Root Feeding

### MIXING DIRECTIONS ~

- Start to fill tank(s) with at least 1/2 of the total amount of water needed.
- While re-circulating, add the desired amount of Bio-Tree & Shrub using the chart below at your desired N-P-K ratio.
- Using the Prescription Soil Analysis recommendations, you can add additional products such as Bio-Aer, Bio-Green, Bio-Grow or Bio-Tea to the entire mixture or custom mix for specific plants and/or customers.
- Finish filling the tank(s).



### APPLICATION DIRECTIONS ~ TREES

Inject at the rate of 1 gal per hole and 5 holes per 1" DBH in circles or a grid 18-24" apart starting close to the trunk and continuing two circles beyond the drip line. (Total of 5 gals per inch DBH.)

### APPLICATION DIRECTIONS ~ SHRUBS / EVERGREENS

Inject 1/2 gal per hole evenly spaced with the following frequency (by height):

- Ankle/Shin** - 2 holes
- Knee/Waist** - 3 holes
- Shoulder** - 4 holes
- Fingertip** - 5 holes
- Large shrubs** - 1 hole every 18" around drip line
- Hedges** - inject 1 hole every 18" on sides & 1 between plants
- Ground covers/ground hugging shrubs** - inject on 18" grid

### SURFACE APPLICATIONS ~

- Apply 1 gal of Bio-T & S in 50 gal of water to each 150 sq. ft. of bed area or 150 linear feet of a hedge.
- Apply 1 gal of Bio-T & S in 50 gal of water for each 8" of DBH. Apply evenly throughout the canopy area.
- Rinse surface with water.

N-P-K Ratio	Tank Size→	50 gal	100 gal	200 gal
5-2-2	Bio-T&S →	3 qt	1.25 gal	2.5 gal
10-5-5	Bio-T&S →	1.5 gal	2.5 gal	5 gal

## Target Zone Root Feeding

This method may be the only viable option if a significant amount of roots are inaccessible due to decks, patios, streets, driveways or located on adjacent properties. Concentrated application is possible due to Bio-Tree & Shrub's food-grade, organic-based ingredients and low salt index, which will not damage fine root hairs or soil biology, while providing faster "uptake." While this method can result in significant cost savings and meet the nutritional requirements of the plants, soil conditioning and biological support is not achieved throughout the entire canopy area. Treating the entire area occasionally is recommended.

### MIXING DIRECTIONS ~

- Start to fill tank(s) with at least 1/2 of the total amount of water required.
- While re-circulating, add the desired amount of Bio-Tree & Shrub using the chart below based on desired N-P-K ratio.
- Using the Prescription Soil Analysis recommendations, you can add additional products such as Bio-Aer, Bio-Green, Bio-Grow or Bio-Tea to the entire mixture or custom mix for individual customers.
- Finish filling the tank(s).

### APPLICATION DIRECTIONS ~ TREES

- Inject at the rate of 1 gal per hole and 1 hole per 1" DBH in concentric circles starting as close as possible to the trunk without damaging flare roots.
- Total amount of solution for a tree can be applied within 5-7 ft. of the trunk or less.

### APPLICATION DIRECTIONS ~ SHRUBS / EVERGREENS

Inject 1qt. per hole evenly spaced with the following frequency (by height):

- Ankle/Shin** - 2 holes
- Knee/Waist** - 3 holes
- Shoulder** - 4 holes
- Fingertip** - 5 holes
- Large shrubs** - 1 hole every 18" around drip line
- Hedges** - inject 1 hole every 18" on sides & 1 between plants
- Ground covers / ground hugging shrubs** - inject on 18" grid

N-P-K Ratio	Tank Size→	50 gal	100 gal	200 gal
5-2-2	Bio-T&S →	1.25 gal	2.5 gal	5 gal
10-5-5	Bio-T&S →	2.5 gal	5 gal	10 gal

## Njekt Soil Injection System

### MIXING DIRECTIONS ~

- Fill tank 1/2 full of water.
- Add 12 oz. of Bio-Tree & Shrub in the one (1) gal tank.

**OR**

- Add 48 oz. of Bio-Tree & Shrub In the four (4) gal backpack.
- Finish filling the tank or backpack.



### PLANT APPLICATION RATES ~

Set metering scale for 10 fl. oz. and inject by height:

- Ankle/Shin** - Two (2) injections per plant.
- Knee/Waist** - Three (3) injections per plant.
- Shoulder** - Four (4) injections per plant.
- Fingertip** - Five (5) injections per plant around drip line.
- Hedges** - One (1) injection between each plant (if accessible) and every 18" on both sides.
- Trees** - Make six (6) injections per one (1) inch of DBH.

### CLEANING PROCESS ~

- Disconnect the 1 gal tank or backpack hose
- Attach the 'Rinse Tank' and follow those tank directions
- Failure to properly clean your Njekt when switching between products or at the end of every day may cause equipment malfunction and void warranty.

### QUESTIONS ~

Contact Keith at (800) 645-6464 or Keith@NaturesPro.com

**Nature's Pro products work 24/7, 365 days a year, providing 100% coverage deep into the soil when applied according to the label directions specific to each method of application.**