

PROFESSIONAL TREE & LANDSCAPE SOLUTIONS



A complete product line for tree and
landscape maintenance and pest control.



THE ARBORJET DIFFERENCE

Initially developed by arborists, for arborists, Arborjet products have changed the trajectory of arboriculture for hundreds of cities and thousands of service providers. We continue to create and introduce the latest technology to manage our urban forest canopies.

- Injections are sealed in the tree, limiting exposure to homeowners, pets, the environment, and applicators
- Applications are made with few restrictions or homeowner notifications

DRILL, PLUG, AND INJECT METHOD

The Drill, Plug, and Inject method injects or infuses treatments directly into the tree's vascular system assuring the dose is rapidly carried to the target area.



DRILL



PLUG



INJECT



ARBORJET SUCCESS



We take pride in using equipment and chemistry that have the backing of published research behind it. Delivering these products with Arborjet equipment has proven to be a value for our business and our customers.



Philip Samson, *Samson Tree Service*
Plymouth, MN

INJECTABLE INSECT CONTROL

TREE-ÄGE® G4 - 040-4120

General use, provides two-year control for listed insect and mite pests in deciduous and coniferous trees and palms.

Effective For: Emerald Ash Borer, Invasive Shot Hole Borer; Western, Southern, and Mountain Pine Beetles; Leaf Feeding Caterpillars, Bagworms, Webworms, Leafminers, Conifer Mites, and more

1 quart treats 27 trees (10" DBH) at the medium rate

TREE-ÄGE® R10 - 040-4130

Newest addition to the highly effective line of TREE-äge products, with the lowest dose guidance, and quickest injection times. Provides two-year control of most pests. For use by commercially licensed applicators.

Effective For: Emerald Ash Borer, Invasive Shot Hole Borer; Western, Southern, and Mountain Pine Beetles; Leaf Feeding Caterpillars, Bagworms, Webworms, Leafminers, Conifer Mites, and more

1 pint treats 24 trees (10" DBH) at the medium rate



TREE-äge® R10 is 3x faster and uses less than half the dose. It is the most productive formulation.

IMA-JET® & IMA-JET 10® - 040-2003 & 040-20010

Particularly effective on piercing/sucking insects for deciduous and coniferous trees and palms. Provides season long control. Available in a 5% and 10% formulations.

Effective For: Adelgids, Aphids, Scale Insects, Whiteflies, Borers, Spotted Lanternfly (including Emerald Ash Borer, Asian Longhorned Beetle and Bronze Birch Borer), Leaf Beetles, and Psyllids

1 liter of IMA-jet treats 25 trees (10" DBH)

ACE-JET™ - 040-2011

Water soluble granular provides a fast knockdown of a broad spectrum of pests with a shorter residual.

Effective For: Leaf feeding Caterpillars, Armored and Soft Scales, Adelgids, Leafminers, Spider Mites, and more

One 15 gram packet treats 2 trees (10" DBH)



Cities and service providers have saved millions of trees across the country from Emerald Ash Borer using the TREE-äge line of products and Arborjet injection technology.



The 3-step Plant Health Care (PHC) Program is an all purpose approach designed to help protect palms and trees from the most common insects, diseases, and nutrient deficiencies during a single visit.

Arborjet formulations and equipment are available in multiple sizes and kits. Not all products are available in all states. Please visit arborjet.com

©2021 Arborjet, Inc. Important: Always read and follow label instructions. Some crop protection products may not be registered for sale or use in all states or counties. Please check with your state or local extension service to ensure registration status. TREE-äge® Insecticide is a Restricted Use Pesticide and must only be sold to and used by a state certified applicator or by persons under their direct supervision. TREE-äge® is a registered trademark of Arborjet, Inc.

INJECTABLE INSECT CONTROL (CONTINUED)

AZASOL® - 040-2011



Broad Spectrum, botanical, systemic insect growth regulator, derived from Neem. A non-oil based water soluble powder that can be used as a spray, soil drench, trunk injection, or through chemigation.

Effective For: Whiteflies, Leafminers, Scale, Mealybugs, Thrips, Aphids, Psyllids, Caterpillars, and more

6 oz. treats approximately 43 trees (10" DBH) as a trunk injection



UNTREATED



TREATED WITH AZASOL®

INJECTABLE DISEASE CONTROL

PHOSPHO-JET™ - 040-3011



A plant resistance activator for the suppression of various diseases. May enhance the tree's own natural defense capabilities. Can be used as trunk injection, spray, or soil drench.

Effective For: Sudden Oak Death, Anthracnose, Phytophthora, Black Spot, Scab, Fire Blight in Apple, Root Rot and more

One liter treats 20 trees (10" DBH)

PROPIZOL® - 040-6300

For suppression and control of various diseases. Can be used as trunk injection or spray on trees, shrubs, grasses, and flowers.

Effective For: Oak Wilt, Sycamore Anthracnose, Diplodia Tip Blight, Fusarium Dieback, Pitch Canker, Bur Oak Blight, and more

1 liter treats 10 trees (10" DBH), up to 1.5 acres for turfgrass applications, and makes up to 1,700 gallons for ornamental spray applications

ARBOR-OTC® - 040-7500

Water soluble, systemic antibiotic for the treatment and suppression of bacterial infections of trees and palms.

Effective For: Ash Yellows, Bacterial Leaf Scorch, Fire Blight, Leaf Spot, Lethal Bronzing (Texas Phoenix Palm Decline), and more

1 oz. (28 g.) container treats 10 trees (10" DBH)



BEFORE



TREATED W/ PHOSPHO-JET & PALM-JET



UNTREATED

TREATED W/ PHOSPHO-JET & ARBOR-OTC



Some diseases are best addressed with a programmed approach. Reference our 2-Step program on page 16.

Arborjet formulations and equipment are available in multiple sizes and kits. Not all products are available in all states. Please visit arborjet.com

INJECTABLE NUTRIENTS

MN-JET FE™ - 030-4160

Balanced source of micronutrients for injection or foliar spray; works for chlorosis caused by micronutrient deficiency or as a good choice for general tree nutrition.

Effective For: *Micronutrient deficiencies in hardwoods, conifers, palms, and ground covers*

1 liter treats 20 trees (10" DBH)

PALM-JET MG™ - 030-4130

Specially formulated to alleviate iron and manganese deficiencies in palms and hardwoods.

Effective For: *Iron & Manganese Deficiencies, Nutrient Deficiencies, Leaf Yellowing, Interveinal Chlorosis, Alkaline Soils, Sandy Soils, and Arid Soils*

1 liter treats approximately 50 medium sized palms or 25 hardwoods



PLANT GROWTH REGULATOR

SHORTSTOP® 2SC - 040-1120

Systemic, soil applied, plant growth regulator that slows above ground vegetative growth in trees and shrubs.

Effective For: *Reduces pruning frequency, drought stress, and construction damage, and enhancing fine root hair growth*

1 gallon treats approximately 52 trees (10" DBH) at the medium rate



NEW! Now use Shortstop 2SC for trees and shrubs.

- Drench or foliar spray for shrubs
- Reduce labor and disposal costs



ARBORJET SUCCESS




Arborjet is truly the future in tree and palm care. It is easy to use and the customer support is fantastic.



Mark Bodin, Corey Enterprises Lawn & Landscape

Palm Coast, FL

TREE & ORNAMENTAL CARE

NUTRIROOT® (2-2-3) - 030-4103 MADE WITH 

Unique blend of micro and macronutrients, seaweed extract, humic acid, surfactants, and humectants designed to increase root development and reduce water stress in trees, shrubs, bedding plants, installs, and transplants.
32 fl. oz. makes up 25 gallons

ARBORPLEX™ (14-4-5) WITH SRN - 080-57513

Blend of slow-release nitrogen with macro and micronutrients to provide consistent, extended feeding for trees and shrubs.
1 gallon contains 1.48 lb. N. May be applied through root injection, soil drench, or foliar spray

BLOOMPLEX™ (8-16-5) - 080-57534

Specially formulated with high quality sources of phosphorus and chelated micronutrients to promote flowering and fruiting.
1 gallon contains 1.69 lbs P₂O₅ and 0.85 lbs N. May be applied through fertigation, soil drench, or foliar spray



ArborPlex forms the foundation of the Arbor Rx Program designed to maximize tree and shrub health.



PRESCRIPTIVE FERTILIZATION AND SOIL ENHANCEMENT PROGRAM

In urban and suburban environments, trees often become stressed due to poor soils, insufficient moisture, lack of nutrient availability and harsh growing conditions. Arbor Rx® is designed to maximize tree and shrub health by combining plant nutrition with products to enhance soil quality, stimulate root growth and improve water availability.

- Liquid Solutions Do Not Require Mechanical Agitation
- Tank Compatible for Easy Combination Applications

PRIMARY ● SECONDARY ○

ArborPlex (14-4-5) with SRN

In addition to ArborPlex (14-4-5) tree and shrub nutrition, the following products provide solutions to specific tree & shrub conditions.

		TREE & SOIL CONDITIONS											
		General Maintenance	Sandy Soils	Clay Soils	Compacted Soils	Poor Soil Microbial Activity	Low Organic Matter	Poor Moisture Availability	Iron Deficiency	Drought Stressed	New Planting / Transplanting	Root Loss / Poor Root Development	Declining Trees
PRODUCT PRESCRIPTION	ArborPlex (14-4-5)	ARBORPLEX IS THE FOUNDATION OF THE ARBOR RX® PROGRAM											
	Bio MP™ (5-3-2)	○	○			●	○						●
	EnviroPlex™	●	●	●	●	○	●	○					○
	Iron Plus™ (15-0-0)								●				
	NutriRoot® (2-2-3)		○			○	○	○		○	●	○	
	Hydretain®		○					●		●			
	CytoGro®					○				○	○	●	

ORGANIC INSECT & DISEASE CONTROL

Arborjet's organic certified insect and disease control products provide environmentally sound and effective solutions to treat the entire landscape. Formulated with botanical active ingredients, they are ideal for organic growing, even on edibles that will be harvested the same day. Safe to use around pets, people, and on food crops, these products allow for expanded business opportunities and growth.

ECO-1® 40 - 040-9040



Broad spectrum, contact insecticide, miticide, and fungicide. 40% Linseed*, Rosemary, and Thyme oils in a soap base for commercial use on edible to ornamental plants.

Effective For: A wide range of mites and soft-bodied insects such as aphids and whiteflies. Prevent and control various fungal diseases such as powdery mildew.

1 gallon makes up to 128 gallons

ECO-1® GARDEN SPRAY - 040-7350



Broad spectrum, contact insecticide, miticide, and fungicide made from EPA 25B minimum risk Linseed*, Thyme, and Peppermint oils for use on edible to ornamental plants.

Effective For: Aphids, Mites, Mealybugs, Whiteflies, Thrips, Powdery Mildew, Black Spot, Early and Late Blight, and more

1 quart of concentrate treats up to 8,000 square feet and makes up to 8 gallons

AZASOL® - 040-5001



Broad spectrum, botanical, systemic insect growth regulator, derived from Neem. A non-oil based water soluble powder that can be used as a spray, soil drench, tree injection, or through chemigation.

Effective For: Whiteflies, Leafminers, Scale, Mealybugs, Thrips, Aphids, Psyllids, Caterpillars, and more

6 oz. makes up to 168 gallons

* Linseed oil derived from Flaxseed oil.

Arborplex and Bloomplex are available in multiple sizes. Please visit ecologel.com.

Arborjet formulations and equipment are available in multiple sizes and kits. Not all products are available in all states. Please visit arborjet.com



Untreated Check

Treated with Eco-1 40



TREATED WITH AZASOL® *

ARBORJET SUCCESS

“

I used AzaSol on a very persistent thrip problem on my orchids, 3 times at the recommended rate and interval. I'm amazed at the results! No odor, no petal burn and best of all...NO THRIPS. I'm a believer.

”

Keith F.
Denver, CO

INJECTION EQUIPMENT

Arborjet is the world leader in tree injection technology, an environmentally friendly method that protects trees from insects and diseases. These patented delivery systems are widely known for their ease of use and ability to deliver a broad range of insect and disease control and nutritional products.

QUIK-JET AIR®

Lightweight, air-powered injection system, featuring a one-thumb switch operation, precise dose measuring in a rugged aluminum body, weighing less than 2 pounds. A favorite of municipal treatment programs.

QUIK-JET®

A cost-effective injection tool designed for lower dose applications. It can also be used as a diagnostic tool to assess tree health and vascular activity.



QUIK-JET AIR® INJECTION USING ARBORPLUG®

F SERIES® TREE I.V.

The first-ever 120 psi micro-infusion system, designed for injecting trees with maximum speed, accuracy, and ease. Comes with two bottle sizes and an easy fill cap.

TREE I.V.

The tried and true micro-infusion system for coniferous and hardwood trees. Designed for high-volume and low-pressure treatments.

EQUIPMENT KITS

Arborjet offers several kits to suit the user's needs. Arborjet equipment is designed for use with their exclusive formulations to provide the most effective and efficient injection solutions. Visit Arborjet.com for a full listing of equipment kits.

QUIK-JET AIR® KIT - 070-2350



F SERIES® TREE I.V. F18 KIT - 070-0065



ARBORJET SUCCESS

“ The QUIK-jet AIR, is not only faster and more efficient, it allows for more trees to be done per hour thus increasing productivity. When working with Arborjet in public areas, people see us as the “professional tree doctors” which goes a long way in helping us build a solid reputation.”

Ricardo Aguilar, Aguilar Plant Care Inc.

Escondido, CA

WHICH SYSTEM IS RIGHT FOR YOU?

GOOD ● BETTER ●● BEST ●●●

	TYPE OF FORMULATION			TREE SIZE				TREE TYPE		
	Insecticide	Fungicide	Nutrient	< 14	15-18	19-22	>23	Hardwoods	Conifers	Palms
QUIK-JET	●●●	●	●	●●●	●●	●	●	●●	●	●●
QUIK-JET AIR	●●●	●●	●●●	●●●	●●●	●●●	●●	●●●	●●●	●●●
TREE I.V.	●●	●●●	●●	●	●●●	●●	●●	●●	●●	●
FSERIES TREE I.V.	●●	●●●	●●	●	●●	●●●	●●●	●●●	●●●	●

QUIK-JET AIR

- Powerful and productive
- Best option for diffuse porous or low- to moderate-resistant trees like ash, maple, white oak, plus those listed for QUIK-jet
- Low- to moderate-volumes of 40 mL or less per injection site, like insecticides and undiluted fungicides or nutrients
- Treat any size trees and up to 200 16" DBH trees per air tank refill
- Can connect directly to product bottle for undiluted applications

FSERIES/TREE I.V.

- Great all-around system
- Best option for slower uptake trees such as conifers, but also good for hardwoods and palms
- Higher volumes of over 100 mL per tree, like fungicide or nutrient applications
- Quantity of larger trees in the same location

QUIK-JET


- Fast and easy to use
- Best option for ring porous or low-resistant trees like red oak, sycamore, elm, poplar, tulip poplar, sweetgum, or palm
- Lower volumes of under 20 mL per injection site, like insecticide applications
- Smaller trees and projects
- Can connect directly to product bottle for undiluted applications



ARBORPLUG® TECHNOLOGY

ARBORPLUGS - 070-0150 & 070-0156

The Arborplug is a technological advancement in trunk injection and a key component of the Arborjet injection methodology.

 *Plugless technology is also available for low volume, low pressure applications, and fast uptake trees.*



Creates the perfect injection interface; internal septum "seals" injection site.



Enables rapid, high volume product delivery directly into the xylem tissue.



Minimizes risk of infection or insect access and speeds site closure and healing.

RANGE OF ACCEPTABLE PLUG SETTING

- Fastest rate of uptake
- Least chance of leakage
- Best protection of the cambium
- Fastest drill site closure (growth over the Arborplug)



Proper set: below the cambium layer, in the xylem tissue



HOW TO DRILL, PLUG & INJECT ARBORPLUGS

DRILL

1. Use DBH/3 with the FSeries/TREE I.V or 8" spacing.
2. Use DBH/2 with the QUIK-jet AIR/QUIK-jet or 6" spacing.
3. For trunk pests use 4" - 6" spacing.
 - a. Always read and follow label instructions.
4. Choose healthy tissue, avoid damaged bark and/or compression wood or flat spots if possible.
5. Optimal plug locations are within 18" of soil line, along trunk flares where possible.
6. Drill 5/8" - 2" deep into tree xylem (white tissue).
 - a. Use a 9/32" bit for #3 Arborplugs or a 3/8" bit for #4 Arborplugs.
 - b. Drill a perpendicular hole (straight in not on an angle). Depress drill trigger fully, but do not apply pressure to the drill.
 - c. Drill through the bark and allow the drill bit to "land" at the denser sapwood surface. This is where the largest portion of the plug should reside when set properly.
 - d. Then, apply pressure to the drill and drill 5/8" - 2" deep into the sapwood.

PLUG

Insert and set Arborplug with set tool and hammer. The Arborplug surface should be just into the xylem. (See above for proper plug placement)

INJECT

Insert needle(s) and inject according to label instructions and equipment guidelines.

SPECIALTY EQUIPMENT

ACCUFLO® SOIL INJECTOR ISD - 070-3100

The AccuFlo® Soil Injector is the latest in Arborjet's product application technology; delivering precise and repeatable dosing at twice the pressure, and half the weight of competitor devices. A versatile, portable, and intuitive system for all of your soil injection, drench, and foliar spray application needs.



ACCUFLO® RATE MONITOR - 070-3050

Durable and lightweight flow rate meter, attaches to the user's wrist, offering consistent and repeatable bark and soil applications of plant growth regulators, liquid nutrients, insecticides, and fungicides.



NEW! The AccuFlo® ISD injects, sprays and drenches for all types of plant health care applications including insect & disease treatments, plant growth regulators, and fertilization.



NEW! The Supersonic Air Knife tools are ideal for installing or repairing irrigation lines or for sensitive Arborist work including vertical mulching, bare rooting, radial trenching, and soil aeration.

SUPERSONIC AIR KNIFE® - 400-11

The Supersonic Air Knife line uses high pressure air to dig trenches, remove compacted soils, and locate utilities. Its unique MACH 1.7 air speed allows the removal of even the most compacted soils without damaging tree roots, irrigation or power lines. Offering advanced Nozzle technology, patented designs, customizable and easy to use options, the Supersonic Air Knife provides the ultimate digging tool.

Vacuum model utilizes the same compressor and supersonic technology to remove soil, reduce airborne dust and debris, and relocate soil back to the dig site.



THE HYDRETAIN DIFFERENCE

Hydretain is designed to reduce watering frequency by helping plants utilize soil moisture that would otherwise be lost to evaporation. A proprietary blend of hygroscopic humectant compounds, Hydretain attracts water molecules in the soil to create plant usable water droplets in the root zone.

- Converts soil humidity into plant usable water droplets
- Not a wetting agent or superabsorbent polymer
- Lasts for up to 3 months

FOR SOIL MOISTURE MANAGEMENT, HYDRETAIN IS YOUR PERFECT PARTNER

By converting soil humidity into microscopic droplets that plant roots can use, Hydretain protects turf from drying out for longer periods between irrigation cycles. A single Hydretain treatment increases watering efficiency by managing root zone moisture throughout the day. In independent tests Hydretain has reduced watering by up to 50%.



UNTREATED



AFTER ONE TREATMENT

HYDRETAIN PRODUCTS

HYDRETAIN ES PLUS - 080-4335

Combines the Hydretain technology with an advanced non-ionic surfactant for improved soil penetration.

HYDRETAIN ES PLUS II - 080-4435

Combines the Hydretain technology with an advanced non-ionic surfactant for improved soil penetration and potassium humate for enhanced performance.

Turf: Apply 9 oz. per 1,000 sq. ft. (3 gallons per acre)

Ornamentals: Dilute 2 oz. per gallon of water and drench

HYDRETAIN GRANULAR OC - 080-4380 (080-4381 CA only)

Puts the power of Hydretain ES Plus in a free-flowing organic compost carrier that can be applied through any traditional dry spreader equipment.

HYDRETAIN GRANULAR QD - 080-4390

Puts the power of Hydretain ES Plus in a quickly dissolving, free-flowing carrier for dry spreader applications.

Turf: Apply 2.7 lbs per 1,000 sq. ft. (120 lbs per acre)

Ornamentals: Apply 1 lb per 100 sq. ft.

HYDRETAIN WORKS



REDUCE WATERING

Maximize soil water availability to reduce irrigation frequency and hand watering.



DRY SPOTS

Maximize soil moisture efficiency to reduce and repair localized dry spots.



SEEDING/OVERSEEDING

Accelerate seed hydration for improved germination rates and faster establishment.



LANDSCAPE INSTALLATIONS

Reduce moisture stress to increase transplant survival and accelerate establishment.



CONTAINER PLANTS

Increase moisture availability and uptake to reduce wilt and extend flower life.



DROUGHT

Manage soil moisture to help plants withstand periods of drought and watering restrictions.

Hydretain products are available in multiple sizes. Not all products are available in all states. Please visit hydretain.com.

HYDRETAIN SUCCESS



The 50% reduction in watering is a reality here. We've been able to save people a ton of money on their water bill and still get great results on the turf.



Erik Seaman, Co-Owner & Manager of the Fertilization Division
Seaman's Lawn & Landscape



THE BIOPRO DIFFERENCE

The BioPro line originated as an early leader in liquid fertilization solutions. Today, that legacy of agronomic excellence has expanded and evolved into a complete line of superior quality, yet affordable plant management products.

- Foliar and soil applied solutions to address soil health and nutritional deficiencies
- Chelated nutrients for increased availability and plant uptake
- Individual nutrient solutions and combination products provide flexibility for any agronomic program or budget

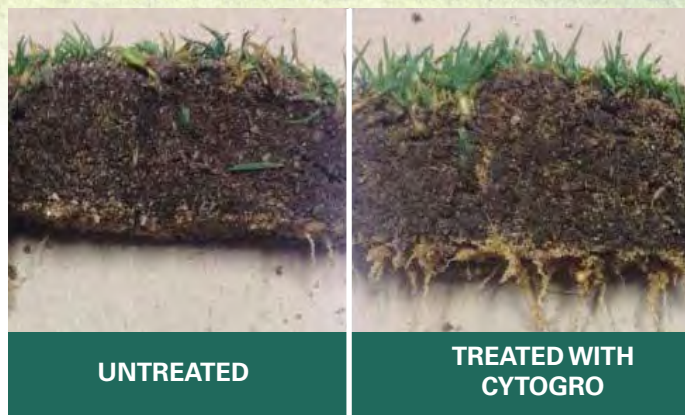
BIOSTIMULANTS

CYTOGRO® - 080-57315

EPA registered hormone biostimulant designed to increase root mass, speed grow-in, and improve stress tolerance.

- Promotes deeper, denser root systems
- Increases stress tolerance
- Speeds turf recovery and establishment
- Effective for all turf and plants

Apply 0.8 fl. oz. per 1,000 sq. ft. (2 pints per acre) initial application. Follow-up monthly at 0.4 oz. per 1,000 sq. ft. (1 pint per acre)



Sod transplant 6 days after treatment

CYTOGRO® SUCCESS



CytoGro is so impressive with root growth, supporting the plant's immune system and establishing new plants, we have made a permanent home for it in almost all of our turf and landscape programs."



Gary L. Terrell II, General Manager
Georgia Turf Management (GTM)

SEAWEED EXTRACTS

SEAXTRA® NUTRITIONAL SUPPLEMENT (1-0-3) - 080-57331

Superior seaweed extract derived from *Ascophyllum nodosum*.

SEAXTRA® WATER PENETRATING PELLET - 080-57329

Non-ionic surfactant blend enhanced with seaweed extracts for improved sod establishment. Safe for all types of turf.

SPECIALTY NPK BLENDS

ENVIRO N™ (28-0-0) 70% SRN - 080-57129

High quality, controlled release nitrogen designed to provide uniform growth without surges or declines, while maintaining consistently good color.

ENVIRO P™ (7-21-0) - 080-57135

Highly stable phosphorus source for turf and ornamentals.



Enviro P is an exceptional product for seeding, sodding and transplant establishment.

GREENS PLUS™ (14-4-10) 65% SRN - 080-57123

Soil applied NPK blend consisting of nitrogen from controlled release urea-triazone, a stable and highly available phosphorus source and a less caustic source of potassium for superior turf management.

Phosphorus Free Alternative:

GREENS PLUS™ (12-0-12) 70% SRN - 080-57126

TURF STARTER™ (8-16-5) WITH SEAXTRA - 080-57527

Excellent NPK blend for the rapid establishment of new turf, for fall fertility programs on cool season turf and for overseeding.

Additional NPK Blends:

ENVIRO K™ (0-0-30) - 080-57132

ALL K™ (0-0-25) WITH 17% SULFUR - 080-56100

TURFPLEX™ (20-2-3) WITH SEAXTRA - 080-57507

TURFPLEX NOPHOS™ (20-0-3) WITH SEAXTRA - 080-57517

BioPro products are available in multiple sizes. Not all products are available in all states. Please visit ecologel.com.

SOIL ENHANCEMENT

BIO MP™ (5-3-2) - 080-57622

High carbohydrate, molasses-based soil builder designed to stimulate soil biological activity by providing a food source for soil microbes.

NA-X™ (5-0-0) WITH 12% CALCIUM - 080-57056

Soluble calcium solution to allow for the rapid flush of excess sodium from soils to restore soil structure and increase water infiltration.

NUTRALYZ™ (12-0-0) WITH 26% SULFUR - 080-57060

Premium ammonium thiosulfate solution designed to breakdown excessive bicarbonate buildup in the soil and reduce the pH of alkaline soils.

ENVIROPLEX™ - 080-57004

Contains 22% humic acids from Leonardite ore.

MICRONUTRIENTS

NUTRISOLVE™ WITH SEAXTRA - 080-57180

Foliar micronutrient blend of boron, copper, iron, manganese, molybdenum, and zinc designed to correct or prevent a wide range of micronutrient deficiencies without additional nitrogen.

SPECTRUM™ (8-0-0) WITH SEAXTRA - 080-57183

Blend of iron, manganese, magnesium, and sulfur with nitrogen designed to provide fast, deep, and extended color without causing a surge in top growth.

IRON PLUS MN™ (12-0-0) 6% IRON AND 2% MANGANESE WITH SEAXTRA - 080-57198

Foliar application to prevent or correct iron and manganese deficiencies in turfgrasses, trees, shrubs and woody ornamentals

Additional Micronutrients:

BORON PLUS™ 5% BORON - 080-57200

CALCIUM PLUS™ (8-0-0) 10% CALCIUM - 080-57189

IRON PLUS™ (15-0-0) 6% IRON WITH SEAXTRA - 080-57195

MANGANESE PLUS™ 5% MANGANESE WITH SEAXTRA - 080-57201

MAGNESIUM PLUS™ (7-0-0) 6% MAGNESIUM - 080-57186

SILICA (0-0-2) 5% SILICA - 080-57676

TUFF GREENS™ (0-0-13) - 080-57502

POND CLARIFIER

AQUA-T™ - 080-57225

Special blend of naturally-occurring bacteria that digests organic waste and excess nutrients to clarify the water, reduce sludge, and eliminate pond odors.

Apply 6 bags per acre foot of water as the initial application and maintain with 1 bag per acre foot every two weeks

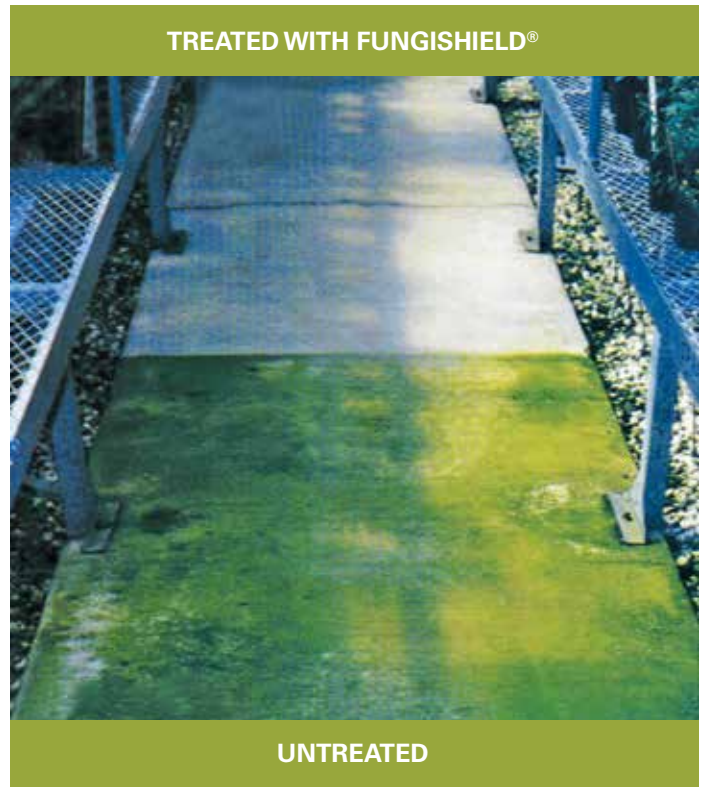


PROTECTIVE BARRIER TREATMENT

FUNGISHIELD® - 080-3020

Clear barrier treatment that provides long term protection against the unsightly adhesion of mold, mildew, fungus, and algae.

SPF 5+: 1 gallon covers 200-300 sq. ft., last up to 5+ years




DUST SUPPRESSANT

GELTRAK® - 080-7035

Environmentally responsible solution designed to reduce dust by keeping soils nominally damp for extended periods between watering or rainfall.

Apply 2 gallons of GelTrak per 1,000 sq. ft. Minimum dilution 10:1 (water to GelTrak)



 Perfect for use on walls, walkways, patios, drives, fences, roofs, decks – Most any hard surface.






Ecogel products are available in multiple sizes. Not all products are available in all states. Please visit ecogel.com.






GELTRAK SUCCESS






“ We were faced with numerous complaints associated with dust from construction traffic while using a temporary roadway from the nearby residential community. This product reduced the amount of dust created to virtually zero, and greatly reduced the number of complaints received. ”

Andy Jorgensen, Director of Golf Maintenance Operation
On Top of the World Communities & Related Entities

2-STEP PLANT HEALTHCARE PROGRAM

COLDER CLIMATES		Maple	Pear	Crab Apple	Ash	Elm
	Tree					
	Issue	Galls, Gypsy Moth, Winter Moth, Caterpillars, Bacterial Leaf Scorch , Anthracnose	Aphid, Bacterial Leaf Scorch , Gypsy Moth Winter Moth, Fire Blight , Chlorosis	Aphids, Fire Blight , Apple Scab	Emerald Ash Borer, Clear Wing Borer, Galls, Fire Blight , Ash Yellow s, Anthracnose	Scale, Dutch Elm Disease, Elm Leaf Beetle
	Step 1	TREE-äge® G4/R10	IMA-jet®	IMA-jet	TREE-äge G4/R10	IMA-jet
	Step 2	Propizol®	PHOSPHO-jet™	Propizol	Propizol	Propizol
	Comments*	<i>Substitute Arbor-OTC in Step 2 for Bacterial leaf scorch</i>	<i>Substitute Arbor-OTC in Step 2 for Fire Blight and Bacterial Leaf Scorch</i>	<i>Substitute Arbor-OTC in Step 2 for Fire Blight</i>	<i>Substitute Arbor-OTC in Step 2 for Fire Blight and Ash Yellow</i> s	

COMMON TO MOST CLIMATES		Various Oaks	Sycamore	Pine/Spruce	Eucalyptus	Magnolia
	Tree					
	Issue	Galls, Gypsy Moth, Winter Moth, Oak Wilt, Caterpillars, Bur Oak Blight, Bacterial Leaf Scorch	Invasive Shot Hole Borer, Anthracnose	Pine Bark Beetles, Mites, Diplodia, Hemlock Woolly Adelgid	Red Gum Lerp Psyllid, Tortoise Beetle, Eucalyptus Beetle, Phytophthora	Scale, Mealybug
	Step 1	TREE-äge G4/R10	TREE-äge G4/R10	TREE-äge G4/R10	IMA-jet	IMA-jet
	Step 2	Propizol	Propizol	Propizol	PHOSPHO-jet	PHOSPHO-jet
	Comments*	<i>Substitute Arbor-OTC in Step 2 for Bacterial Leaf Scorch</i>				

HOT TO TROPICAL CLIMATES		Palm	Ficus/Banyan	Crape Myrtle	Monkey Pod	Plumeria
	Tree					
	Issue	Whitefly, Scale, Skeletonizer, Palm Weevils, Bud Rot, Lethal Bronzing , Lethal Yellowing	Whitefly, Scale, Twig Gall, Leaf Gall, Root Rot	Scale, Aphid, Mealybug	Monkey Pod Caterpillar, Root Rot	Whitefly, Mealybug
	Step 1	IMA-jet	IMA-jet	IMA-jet	TREE-äge G4/R10	IMA-jet
	Step 2	PHOSPHO-jet	PHOSPHO-jet	PHOSPHO-jet	PHOSPHO-jet	PHOSPHO-jet
	Comments*	<i>Substitute Arbor-OTC in Step 2 for Lethal Bronzing and Lethal Yellowing</i>				

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BIOPRO APPLICATION GUIDE

Values expressed are for general turf application - refer to product labeling for complete application instructions.

PRODUCTS	POUNDS / GALLON	OZ PRODUCT / 1,000 SQ. FT.	GALLONS H2O/ 1,000 SQ. FT.	GALLONS PRODUCT/ ACRE	GALLONS H2O/ ACRE
Seaweed Supplements					
SeaXtra™ Nutritional Supplement (1-0-3)	9.0	0.8 / 0.4 initial / maintenance	1	32 oz. / 16 oz. initial / maintenance	40
SeaXtra™ Water Penetrating Pellets	N/A	1 Pellet per 12,000 sq. ft.	N/A	N/A	N/A
Soil Conditioners					
EnviroPlex™	8.96	3-6	1-2	1-2	40-80
Bio MP™ (5-3-2)	9.65	6-15	2-2.5	2-5	80-100
Soil Remediation					
Na-X™ (5-0-0)	11.68	32-64	2	10-22	80
Nutralyz™ (12-0-0)	11.0	13	2	4.3	80
Specialty NPK Blends					
Enviro N™ (28-0-0)	10.56	4.3 (0.1 lbs. N / 1,000 sq. ft.)	2	1.5 (0.1 lbs. N / 1,000 sq. ft.)	80
Enviro P™ (7-21-0)	10.58	14.4 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	2	4.9 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	80
Enviro K™ (0-0-25)	12.26	8.6 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	2	2.9 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	80
All K™ (0-0-25-17S)	12.21	10.5 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	2	3.6 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	80
Greens Plus™ (14-4-10)	10.88	8.4 (0.1 lbs. N / 1,000 sq. ft.)	2	2.9 (0.1 lbs. N / 1,000 sq. ft.)	80
Greens Plus™ (12-0-12)	10.80	9.8 (0.1 lbs. N / 1,000 sq. ft.)	2	3.3 (0.1 lbs. N / 1,000 sq. ft.)	80
TurfPlex™ (20-2-3)	10.61	6.0 (0.1 lbs. N / 1,000 sq. ft.)	1	2.0 (0.1 lbs. N / 1,000 sq. ft.)	40
TurfPlex™ NoPhos (20-0-3)	10.54	6.0 (0.1 lbs. N / 1,000 sq. ft.)	1	2.0 (0.1 lbs. N / 1,000 sq. ft.)	40
Turf Starter™ (8-16-5)	10.94	18.2 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	2	6.2 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	80
Micronutrients					
Boron Plus™	8.55	0.5-1	1	22-44 oz.	40
Calcium Plus™ (8-0-0)	11.85	12	2	4	80
Iron Plus™ (15-0-0)	10.78	3-6* / 6-12**	1	2	40
Iron Plus Mn™ (12-0-0)	11.46	3-6* / 6-12**	1	2	40
Magnesium Plus™ (7-0-0)	11.06	6	2	2	80
Manganese Plus™	10.47	3	1	1	40
Silica (0-0-2)	8.96	0.1	1	4.4 oz.	40
NutriSolve™	10.21	3-6* / 6-12**	1	2	40
Spectrum™ (8-0-0)	10.78	3-6* / 6-12**	1	2	40
Tuff Greens™ (0-0-13)	10.23	3-6	1	1-2	40

*Greens and Tees **Fairways, Lawns, Athletic Fields and Other Turf

SAMPLE CALCULATION FOR NITROGEN RATES FROM LIQUID FERTILIZERS

- 1) Calculate pounds of N in 1 gallon of product by multiplying the product weight in lbs./gal. by the % N in the guaranteed analysis.
- 2) For ounces of product per 1,000 sq. ft.: Divide the desired application rate in pounds of N/1,000 sq. ft. by the pounds of N/gal. calculated in Step 1. Multiply the resulting fraction by 128 (fl. oz./gal.) to get the number of ounces of product to be applied to 1,000 sq. ft. of turf for the desired rate of N.
- 3) For gallons of product per acre: Multiply the same fraction in Step 2 by 43.56 (1,000s of sq. ft./acre) to get the number of gallons of product to be applied to one acre of turf for the desired rate of N.

Example: Enviro N (28-0-0) weighs 10.6 lbs./gal. and contains 28% N. Therefore, it contains 10.6 X 0.28 = 2.97 lbs. of N per gallon of product. For 0.1 lbs. N/1,000 sq. ft.: 0.1 ÷ 2.97 = 0.033; 0.033 X 128 = 4.3 oz. of product per 1,000 sq. ft. For the amount of product for one acre at 0.1 lbs. N/1,000 sq. ft. rate: 0.1 ÷ 2.97 = 0.033; 0.033 X 43.56 = 1.5 gal. of product per acre.

FERTILIZER & HELPFUL CONVERSIONS

Fertilizers:

P to P₂O₅ - multiply by 2.30
 P₂O₅ to P - multiply by 0.44
 K to K₂O - multiply by 1.20
 K₂O to K - multiply by 0.83

Weight

lbs. per acre X 1.12 = kg per ha
 lbs. per 1,000 sq.ft. X 0.49 = kg per 100 m²
 1 metric ton = 1,000 kg = 2205 lbs.
 1 gallon of water = 8.34 lbs. = 3.78 kg

Fluid Volume:

1 teaspoon = 1/3 tablespoon = 0.17 oz. = 5 milliliter
 1 tablespoon = 1/16 cup = 1/2 fl. oz. = 15 milliliter
 1 ounce = 1/8 cup = 30 milliliter
 1 cup = 1/2 pint = 8 fluid ounces = 237 milliliter
 1 pint = 1/2 quart = 16 fluid ounces = 473 milliliter
 1 quart = 1/4 gallon = 32 fluid ounces = 946 milliliter
 1 gallon = 128 fluid ounces = 3.8 Liter

Area:

10.76 square feet = 1 square meter
 1 square foot = 0.09 square meters
 2.47 acres = 1 hectare
 1 acre = 0.40 hectares

Temperature

°F = (°C x 1.8) + 32 °C = (°F - 32) / 1.8

ABOUT US

OUR HISTORY - Arborjet technology was developed in 2000 by arborists, for arborists, in order to effectively manage and control exotic and native insects and diseases threatening our natural and urban forests. Today, as the leading developer of tree care solutions, Arborjet has partnered with Ecologel Solutions to offer an expanded lineup of environmentally responsible plant healthcare products which broaden our expert resources.

Ecologel Solutions LLC. is a long-standing, premier developer and manufacturer of innovative products for water conservation, dust mitigation, plant nutrition, pond and lake management, and protective barrier treatments.

Together, both companies are backed by years of research and provide the most effective and environmentally responsible treatment options available anywhere. As premier solutions providers, we are committed to advancing the industries we serve through thought leadership, product and technology development, scientific research, and exceptional customer service.

OUR RESEARCH - Our unique method of developing formulations includes a pairing process which matches the active ingredient and application method with the physiology of the plant. Our products are backed by university research, field trials, and years of use by industry professionals. Whether treating ash trees in Chicago, palms in Miami, tomatoes in Fresno, or turf in Atlanta, this holistic approach delivers significantly longer residual control and superior overall product performance. Our ability to improve plant quality occurs with maximized uptake efficiency while utilizing sustainable methods and formulations.

OUR TEAM - At Arborjet and Ecologel, we care about you and your success. Many of our staff are Certified Arborists, Agronomists, Pest Control Advisors, and hold board positions in major industry associations. Our decades of technical experience in this industry mean that you benefit from sound advice, environmental responsibility, and creative solutions. Your successful plant health care program helps us realize our mission.



CONTACT US

Tree & Landscape Markets

Eastern Area

Eastern Area Manager & Mid-Atlantic

Trent Dicks
C: 309-287-0173
tdicks@arborjet.com

Great Lakes

Joe Aiken
C: 586-431-7282
joeaiken@arborjet.com

Northeast

Kevin Brewer
C: 401-222-9341
kbrewer@arborjet.com

Southeast

JB Toorish
C: 781-983-2613
jbtoorish@arborjet.com

Midwest

Rob Baughman
C: 847-456-1756
rbaughman@arborjet.com

Western Area

Western Area Manager & Southern CA

Ron Sims
C: 951.837.7653
rsims@arborjet.com

Northwest

Dawn Fluharty
C: 650-996-8291
dfluharty@arborjet.com

Upper Midwest

Jay Goughnour
C: 515-201-2228
jaygoughnour@arborjet.com

South Central

Emmett Muennink
C: 214-799-6115
emuennink@arborjet.com

High Plains

Korey Lofy
C: 970-531-7290
klofy@arborjet.com

Hawaii

Sye Smith
C: 808.339.8660
sy smith@arborjet.com

Commercial Golf, Sport Turf & Nursery Markets

West

Rebecca Knapp
C: 914-489-7754
rknapp@arborjet.com

Southeast

Eric Steffensen
C: 704-441-2509
esteffensen@arborjet.com

Midwest/Northeast

Kevin Lewis
C: 216-337-4248
klewis@arborjet.com

Director of Urban Forestry and Business Development

Rob Gorden
C: 401-487-3354
robgorden@arborjet.com

Director of Commercial Sales

Mark Andrews
C: 603-321-1733
markandrews@arborjet.com

Product Support

Jim Spindler, C.P.Ag, C.C.A., C.P.S.S.
O: 863-619-9822
jim@ecogel.com

Arborjet Headquarters

O: 781-935-9070 info@arborjet.com

Ecogel Headquarters

O: 352-620-2020 info@ecogel.com



Visit our website to find a distributor near you
www.arborjet.com