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www.arborjet.com

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

Ecologel Headquarters
O: 352-620-2020
info@ecologel.com

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.

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-ÂGE®
The original, most widely tested, two-year control of Emerald Ash Borer and many listed pests. Very effective on chewing insects and borers in conifers, deciduous trees, and palms. 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 liter treats 33 trees (10” DBH)

TREE-ÂGE® G4
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-ÂGE® R10
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

IMA-JET® & IMA-JET 10®
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 (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™
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
INJECTABLE INSECT CONTROL

AZASOL®

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, Catepillars, and more

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

INJECTABLE NUTRIENTS

MN-JET FE™

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™

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

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

1 liter treats approximately 66 medium sized palms or 25 hardwoods

INJECTABLE DISEASE CONTROL

PHOSPHO-JET™

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®

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®

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)

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

PLANT GROWTH REGULATOR

SHORTSTOP® 2SC

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

Effective For: Slowing tree growth, reducing 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

Use the AccuFlo for precise applications.

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

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**TREE & ORNAMENTAL CARE**

**NUTRIROOT® (2-2-3)**
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) 50% SRN**
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)**
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

**ECO-1® GARDEN SPRAY**
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®**
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

I treated with NutriRoot last summer. It’s unbelievable and doesn’t look like the same tree anymore.
– David Anderson, Shadywood Tree Experts and Landscaping

**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® GARDEN SPRAY**
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Effective For: Aphids, Mites, Mealybugs, Whiteflies, Thrips, Powdery Mildew, Black Spot, Early and Late Blight, and more
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Effective For: Whiteflies, Leafminers, Scale, Mealybugs, Thrips, Aphids, Psyllids, Caterpillars, and more
6 oz. makes up to 168 gallons

AzaSol works by inhibiting feeding, preventing molting, and reducing viable eggs.

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

Arborjet and Bloomplex are available in multiple sizes. Please visit www.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
**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®**
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®**
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.

**TREE I.V.**
The tried and true micro-infusion system for coniferous and hardwood trees. Designed for high volume and low pressure treatments. A perfect starter kit.

**FSERIES® 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, for safety on the job, and the broadest flexibility to treat with higher volume chemistries like fungicides, while also providing lower volume insecticides equal opportunity.

**SPECIALTY EQUIPMENT**

**ACCUFLO®**
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.

* Saves time and money by eliminating waste and guesswork. You can quickly and easily make multiple treatments on different types and sizes of plants.

**Arborjet formulations and equipment are available in multiple sizes and kits. Please visit arborjet.com.**

*Available as a Pro Kit with a QUIK-jet Device
ARBORPLUG® TECHNOLOGY

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

1. **ARBORPLUG TECHNOLOGY**
   - **ARBORPLUG® ADVANTAGE**
     - Tight seal for fast, consistent, and complete injection
     - Protects the surrounding environment and the applicator from unintended product contact
     - Minimizes the number of injection sites and helps to inhibit infection
     - Seals injection sites against insect or disease entrance while speeding site close-over

2. **ARBORPLUG® ADVANTAGE**
   - 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.

3. **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

4. **WHICH SYSTEM IS RIGHT FOR YOU?**

   - **GOOD ● BETTER ● ●● BEST ●●●●●●●●**

   - **TYPES OF FORMULATION**
     - Insecticide
     - Fungicide
     - Nutrient

   - **TREE SIZE**
     - < 14
     - 15-18
     - 19-22
     - > 23

   - **TREE TYPE**
     - Hardwoods
     - Conifers
     - Palms

   - **QUIK-JET**
     - ●●●
     - ●
     - ●
     - ●●●
     - ●
     - ●
     - ●

   - **QUIK-JET AIR**
     - ●●●
     - ●●●
     - ●
     - ●●●
     - ●●●
     - ●
     - ●

   - **TREE I.V.**
     - ●
     - ●●●
     - ●
     - ●●●
     - ●
     - ●
     - ●

   - **FSERIES TREE I.V.**
     - ●
     - ●●●
     - ●
     - ●●●
     - ●
     - ●
     - ●

   - **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

   - **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

5. **SETTING ARBORPLUGS**

   - Use DBH/3 with the FSeries/TREE I.V.
   - Use DBH/2 with the QUIK-jet AIR/QUIK-jet
   - Choose healthy tissue, avoid damaged bark and/or compression wood or flat spots if possible
   - Optimal plug locations are within 18" of soil line
   - Set plugs below the cambium layer, into the xylem tissue
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%.

HYDRETAIN PRODUCTS

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

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

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

Turf: Apply 9 oz. per 1,000 sq. ft. (3 gallons per acre)
Ornamentals: Dilute 2 oz. per gallon of water and drench

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

Hydretain products are available in a multiple sizes. Hydretain products are also available under the brand H3O Plus. Not all products are available in all states. Please visit www.hydretain.com.
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

**SEAWEED EXTRACTS**

**SEAXTRA™ NUTRITIONAL SUPPLEMENT (1-0-3)**
Superior seaweed extract derived fromAscophyllum nodosum.

**SEAXTRA™ WATER PENETRATING PELLET**
Non-ionic surfactant blend enhanced with seaweed extracts for improved soil establishment. Safe for all types of turf.

**SPECIALTY NPK BLENDS**

**ENVIRO N® (28-0-0)** 70% SRN
High quality, controlled release nitrogen designed to provide uniform growth without surges or declines, while maintaining consistently good color.

**ENVIRO P® (7-21-0)**
Highly stable phosphorous source for turf and ornamentals.

**ENVIRONURSOLVE™ WITH SEAXTRA**
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**
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**
Foliar application to prevent or correct iron and manganese deficiencies in turfgrasses, trees, shrubs and woody ornamentals.

**MICRONUTRIENTS**

**BORON PLUS™ 5% BORON**

**CALCIUM PLUS™ (8-0-0) 10% CALCIUM**

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

**MANGANESE PLUS™ 5% MANGANESE WITH SEAXTRA**

**MAGNESIUM PLUS™ (7-0-0) 6% MAGNESIUM**

**SILICA (0-0-2) 5% SILICA**

**TUFF GREENS™ (0-0-13)**

**THE BIOPRO DIFFERENCE**

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- Chelated nutrients for increased availability and plant uptake
- Individual nutrient solutions and combination products provide flexibility for any agronomic program or budget

**ROOTING & SOIL ENHANCEMENT**

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

**BIOSTIMULANTS**

**CYTOGRO®**
EPA registered hormone biostimulant designed to increase root mass, speed growth, 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**

**THE 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)

**SOIL ENHANCEMENT**

**BIO MP™ (5-3-2)**
High carbohydrate, molasses-based soil builder designed to stimulate soil biological activity by providing a food source for soil microbes.

**NA- X™ (5-0-9) WITH 12% CALCIUM**
Soluble calcium solution to allow for the rapid flush of excess sodium from soils to restore soil structure and increase water infiltration.

**NUTRALYZ™ (1-0-3)**
Premium ammonium thiosulfate solution designed to breakdown excessive bicarbonate buildup in the soil and reduce the pH of alkaline soils.

**ENVIROPLEX™**
Contains 22% humic acids from Leonardite ore.

**BIOMARKER® 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)

**ADDITIONAL NPK BLENDS:**

**ENVIRO K™ (0-0-30)**

**ALL K™ (0-0-25) WITH 17% SULFUR**

**TURFPLEX® (20-2-3) WITH SEAXTRA**

**TURFPLEX NOPHOS® (20-0-3) WITH SEAXTRA**

**GREENS PLUS™ (14-4-10) 65% SRN**
Soil applied NPK blend consisting of nitrogen from controlled release urea-triazine, a stable and highly available phosphorus source and a less caustic source of potassium for superior turf management.

**Phosphorous Free Alternative:**

**GREENS PLUS™ (12-0-12) 70% SRN**

**TURF STARTER™ (8-16-5) WITH SEAXTRA**
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)**

**ALL K™ (0-0-25) WITH 17% SULFUR**

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**MANGANESE PLUS™ 5% MANGANESE WITH SEAXTRA**

**MAGNESIUM PLUS™ (7-0-0) 6% MAGNESIUM**

**SILICA (0-0-2) 5% SILICA**

**TUFF GREENS™ (0-0-13)**

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**SPECIALTY NPK BLENDS**

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

**ENVIRO P® (7-21-0)**
Highly stable phosphorous source for turf and ornamentals.

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

**Greens Plus is an exceptional product for seeding, sodding and transplant establishment.**

**Greens Plus is an exceptional product for seeding, sodding and transplant establishment.**

**BioPro products are available in multiple sizes. Not all products are available in all states. Please visit www.ecologel.com.**
### SPECIALTY SOLUTIONS

#### PROTECTIVE BARRIER TREATMENT

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

- Dilute with water at rate of 25:1, apply diluted material at a rate of 55 gallons per 1,000 sq. ft.

### 2-STEP PLANT HEALTHCARE PROGRAM

#### COLDER CLIMATES

<table>
<thead>
<tr>
<th>Tree</th>
<th>Issue</th>
<th>Step 1</th>
<th>Step 2</th>
<th>Comments*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maple</td>
<td>Galls, Gypsy Moth, Winter Moth, Caterpillars, Bacterial Leaf Scorch, Anthracnose</td>
<td>TREE®-age®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Bacterial leaf scorch</td>
</tr>
<tr>
<td>Pear</td>
<td>Aphids, Bacterial Leaf Scorch, Gypsy Moth, Winter Moth, Fire Blight, Chrysanthemus</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Fire Blight and Bacterial Leaf Scorch</td>
</tr>
<tr>
<td>Crab Apple</td>
<td>Aphids, Fire Bright, Apple Scab</td>
<td>IMA®-jet®</td>
<td>TREE®-age®</td>
<td>Substitute Arbor-OTC in Step 2 for Fire Blight and Anthracnose</td>
</tr>
<tr>
<td>Ash</td>
<td>Emerald Ash Borer, Clear Wing Borer, Galls, Fire Bright, Ash Yellow, Anthracnose</td>
<td>IMA®-jet®</td>
<td>Propizol®</td>
<td></td>
</tr>
<tr>
<td>Elm</td>
<td>Scale, Dutch Elm Disease, Elm Leaf Beetles</td>
<td>Propizol®</td>
<td>Propizol®</td>
<td></td>
</tr>
</tbody>
</table>

#### COMMON TO MOST CLIMATES

<table>
<thead>
<tr>
<th>Tree</th>
<th>Issue</th>
<th>Step 1</th>
<th>Step 2</th>
<th>Comments*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various Oaks</td>
<td>Galls, Gypsy Moth, Oak wilt, Caterpillars, Bur Oak Bight, Bacterial Leaf Scorch</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Bacterial leaf scorch</td>
</tr>
<tr>
<td>Sycamore</td>
<td>Invasive Shot Hole Borer, Anthracnose</td>
<td>TREE®-age®</td>
<td>Propizol®</td>
<td>Substitute Arbor-OTC in Step 2 for Oak Wilt and Bacterial leaf scorch</td>
</tr>
<tr>
<td>Pine/ Spruce</td>
<td>Pine Bar Bettle, Mites, Diplodia, Hamptia, Woody Adelgid</td>
<td>TREE®-age®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Fire Blight and Ash Yellow</td>
</tr>
<tr>
<td>Eucalyptus</td>
<td>Red Gum Larp Psyllid, Tortoise Bettle, Eucalyptus Beetle, Phytophthora</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Fire Blight and Ash Yellow</td>
</tr>
<tr>
<td>Magnolia</td>
<td>Scale, Mealybug</td>
<td>Propizol®</td>
<td>Propizol®</td>
<td></td>
</tr>
</tbody>
</table>

#### HOT TO TROPICAL CLIMATES

<table>
<thead>
<tr>
<th>Tree</th>
<th>Issue</th>
<th>Step 1</th>
<th>Step 2</th>
<th>Comments*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palm</td>
<td>Whitefly, Scale, Skeletonizer, Palm Weevil, Bud Rot, Lethal bronzing, Lethal Yellowing</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td>Substitute Arbor-OTC in Step 2 for Lethal Bronzing and Lethal Yellowing</td>
</tr>
<tr>
<td>Ficus/Banyan</td>
<td>Whitefly, Scale, Twig Gall, Leaf Gall, Root Rot</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td></td>
</tr>
<tr>
<td>Grape Myrtle</td>
<td>Scale, Aphid, Mealybug</td>
<td>IMA®-jet®</td>
<td>PHOSPHO-jet</td>
<td></td>
</tr>
<tr>
<td>Monkey Pod</td>
<td>Monkey Pod Caterpillar, Root Rot</td>
<td>TREE®-age®</td>
<td>PHOSPHO-jet</td>
<td></td>
</tr>
<tr>
<td>Plumeria</td>
<td>Whitefly, Mealybug</td>
<td>PHOSPHO-jet</td>
<td>PHOSPHO-jet</td>
<td></td>
</tr>
</tbody>
</table>

#### DUST SUPPRESSANT

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### 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.

*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

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Ecologel products are available in multiple sizes. Not all products are available in all states. Please visit www.ecologel.com.
APPLICATION GUIDE

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 H/ACRE | GALLONS PRODUCT / ACRE | GALLONS H/ACRE/ ACRE
--- | --- | --- | --- | --- | ---
Seaweed Supplements
Seaweed Nutritional (15-0-3) | 9.0 | 0.8 / 0.4 | 1 | 32 oz. / 16 oz. | 40
Seaweed** Water Penetrating Polysaccharide | N/A | 1 | 1 | N/A | N/A

Fertilizer & Helpful Conversions

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.

SAMPLE CALCULATION FOR NITROGEN RATES FROM LIQUID FERTILIZERS

VALUES EXPRESSED ARE FOR GENERAL TURF APPLICATION - REFER TO PRODUCT LABELING FOR COMPLETE APPLICATION INSTRUCTIONS.

Temperature
°F = °C x 1.8 + 32
°F = °C x 0.556 + 32

Biopro Application Guide - About Us

Our history - Arbojet 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, Arbojet has partnered with Ecologel Solutions to offer an expanded line up 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.

About Us - Our Research

Our research - Our unique method of developing formulations includes a paring 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 Arbojet 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.

1) Calculated 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 surces 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 129 (ft2/acre) to get the number of ounces of product to be applied to 1,000 sq. ft. (100 m2).

3) For gallons of product per acre: Multiply the same fraction in Step 2 by 43.56 (1,000 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: Environ N-18-0-0 weighs 10.6 lbs./gal. and contains 28% N. For 0.1 lbs. N/1,000 sq. ft., 0.1 ÷ 2.97 = 0.033; 0.033 X 43.56 = 1.43 gal. of product per acre.

Fertilizer & Helpful Conversions

Formula Volume

Tablespoon: 1/3 oz (14 grams) = 0.5 milliliter
1/4 teaspoon: 1/6 oz (28 grams) = 1.5 milliliter
1/2 teaspoon: 1/3 oz (56 grams) = 2.2 milliliter
1 teaspoon: 1/2 oz (112 grams) = 3.4 milliliter
1 tablespoon: 1 oz (224 grams) = 6.8 milliliter

Area

10.76 square feet = 1 square meter
1 square foot = 0.09 square meter
1 square inch = 0.645 square centimeter
1 acre = 0.40 hectares

Temperature
°F = °C x 1.8 + 32
°F = °C x 0.556 + 32

Fluid Volume

Table 1: Fluid Volume.