

MIRIMICHI GREEN™

Activate Nature.

2018-2019 PRODUCT BROCHURE



Directions:
▶ Dilute 2 ounces with 1 gallon of water
▶ Apply 1-2 ounces per caliper inch
▶ Outdoor plants: 1-2 ounces per gallon of water
▶ How to use: ...

TABLE OF CONTENTS

Mirimichi Green History & Awards	04
Mirimichi Green Purpose	05
Products	06
CarbonizPN	08
CarbonizPN Soil Enhancer	
CarbonizPN DJ Fine Grade	
Release Products	10
Release 9-0-1 C	
Nutri-Release	
Release Zero	
Nutri-Kelp	12
Nutri-Turf	13
Tree & Shrub	14
Weed Control	15
Concentrate	
Ready-to-Use Spray	
Pest Control	16
Carbon Building Program	18
How It Works in Your Industry	20



WHEN JUSTIN TIMBERLAKE & HIS FAMILY BECAME THE OWNERS OF WHAT IS NOW THE AWARD WINNING MIRIMICHI GOLF COURSE IN MEMPHIS, TENNESSEE

they were determined to make it environmentally friendly and open to the public. They conducted a major renovation in 2009, which led it to be the first golf course in the U.S. to receive the official Audubon Classic Sanctuary Certification in recognition of its environmental sustainability (and at the time, one of only 10 in the world).

After the renovation of Mirimichi Golf Course, Justin Timberlake and his family decided to expand on the lessons they had learned along the way. In 2012, Mirimichi Green was established, a company dedicated to research, development and manufacturing of environmentally friendly landscaping products that everyone can purchase and use. Russ Britton, owner and CEO of Mirimichi Green, developed a series of industry-specific offerings that provide solutions, which are affordable, practical, and adhere to the quality associated with the brand.

Since then, Mirimichi Green has made a name for itself by educating other industries about the importance of sustainability and using sustainable products. In 2017, Mirimichi Green received the NCMEP Leadership Award in Sustainable Manufacturing.



At Mirimichi Green, our roots are in golf but our mission is to provide products for landscaping applications based on three principles;

PRICE. PERFORMANCE. SUSTAINABILITY.

- **PRICE** We make affordable products that can be tailored to every budget.
- **PERFORMANCE** Products that perform to the high standards of landscaping professionals and contractors.
- **SUSTAINABILITY** We strive to maintain an ecological balance with our powerful and effective products, all while having a natural and organic core.

MIRIMICHI - A NATIVE AMERICAN WORD MEANING, "PLACE OF HAPPY RETREAT."





PRODUCTS



SUSTAINABLE PRODUCTS WITH A PROVEN SOLUTION

Mirimichi Green is the premier manufacturer of liquid fertilizers, bio-stimulants, herbicides, pesticides, and soil amendments. Every product Mirimichi Green makes is built from a natural core while being powerful enough to deliver outstanding performance and lasting benefits.

CARBONIZPN SOIL AMENDMENTS

CARBONIZPN SOIL ENHANCER AND CARBONIZPN DJ FINE GRADE

CarbonizPN is a soil amendment blend of proprietary carbon-rich biochar and premium organics. CarbonizPN creates the perfect home for root establishment, healthy biology, and permanently improves soil structure.

When you incorporate CarbonizPN into your soil, you're not only adding a high quality carbon that changes the soil's profile, you are creating a soil structure that is capable of holding air and water. This is going to keep the soil aerobic and help with problems like compaction. It is also going to hold on to and store nutrients.

Carbon is the basic building block for great soil health. Our carbon is a 85%+ crystalized carbon with a half-life of over 400 years.

- ▶ **FEATURES** // Lifetime carbon source, premium nutrient package
- ▶ **ADVANTAGE** // Increases CEC, optimizes pH, permanently improves water holding capacity
- ▶ **BENEFITS** // Improves soil health



KEY PRODUCT BENEFITS:

- Permanently improves water holding capacity
- Aerates soils and reduces compaction
- Reduces inputs of fertilizers and chemicals
- Optimizes pH
- Provides permanent home for biology
- Sustainable natural and safe

CPN	Typical Organic Products
pH 6.2-6.8	7-8.5
Carbon (crystalized) - 50%	0%
CEC 90/10; sand/CPN blend - 6.2	Less than 3
Solvita Rating - 7	4-5
NPK Average - 2-2-1	Variable
C:N Ration < 20:1	30:1 - 100:1



APPLICATION RATES:

- **Turf & Lawns** // Apply 20-80 lbs. per 1,000 SF
- **New Sod** // Spread 40-80 lbs. per pallet of sod
- **Plants & Flowers** // Incorporate 2-10% by volume into planting mix/soil
- **Trees** // Apply 2-10 lbs. per DBH around the base of the tree
- **Hydroseeding** // Incorporate 440-3200 lbs. per acre into slurry
- **Dry Seeding** // Apply 880-3200 lbs. per acre
- **Native Grass Seeding** // Apply 1600-5000 lbs. per acre



RELEASE PRODUCTS

There are fertilizers and then there are Mirimichi Green's Release products - **Nutri-Release**, **Release 9-0-1C** and **Release Zero**. The Release products can be a stand-alone products, as well as, a component in any maintenance program. Release products contain over 70 micro-nutrients and trace elements and with our proprietary manufacturing process, they have a very low molecular weight. These products will help chelate existing, but unavailable nutrients in the soil, making them available to the plant as needed.

All formulas contain liquid carbon and organic compounds that are readily consumable by soil biology and resistant to decomposition. The unique bio-stimulants with patent-pending nanotechnology offer the necessary nutrients to immediately boost plant growth. The amount of Nitrogen and carbon desired, will determine which product should be incorporated. The Release products are designed to optimize absorption, feed plants and surrounding biology, while helping to improve the performance of any insecticide, fungicide, and/or herbicide.

RELEASE 9-0-1 C HAS 10% LIQUID CARBON

NUTRI-RELEASE (2-0-2) HAS 2% LIQUID CARBON

RELEASE ZERO HAS 10% LIQUID CARBON

Our micronized liquid carbon is the same crystallized carbon found in CarbonizPN. All Mirimichi Green liquid fertilizer products contain high-quality carbon that very few products on the market have as an ingredient.

FEATURES // Nanotechnology bio-stimulant

ADVANTAGE // 50 times more effective than Humic 6%

BENEFITS // Feeds biology, releases nutrients, promotes absorption



KEY PRODUCT BENEFITS:

- Extends nutrient availability 90-120 days
- Rapid production of protozoa, fungi and hyphae
- Up to 50 times more effective than Humic 6%
- Solubilizes minerals and chelates them into plant available form
- A natural microbial food source, bio-surfactant and nutrient stabilizer
- 30% by volume organic-based blend of microbial fermentation extracts



APPLICATION RATES:

- **Turf & Lawns** // Spray or drench 2-9 oz. per 1,000 SF
- **Plants & Flowers** // Dilute 1 oz. with 50 oz. of water to drench. Dilute 1 oz. with 100 oz. of water for a foliar spray application.
- **Trees** // Dilute 1-4 oz. with 50 oz. of water per DBH or caliper
- **Hydroseeding** // Incorporate 1/2-5 gallons per acre into slurry
- **Ride-On Sprayer** // Spray 1 gallon with 10 gallons of water per acre
- **Soil Conditioning** // Drench 2-8 oz. per 1,000 SF



NUTRI-KELP (1-1-4)

Nutri-Kelp takes the benefits of kelp to the next level. Nutri-Kelp was developed by combining 100% cold processed Norwegian sea kelp extract, vitamins, enzymes, organics, and essential nutrients to resolve the soils nutrient deficiencies. Nutri-Kelp liquid fertilizer is less than 400 Dalton size (smallest on the market). This patent-pending nanotechnology optimizes absorption, growing stronger root systems, abundant produce, and richer foliage. Nutri-Kelp's beneficial nutrients combined with potassium creates a powerful, proprietary formula that optimizes the correct pH level protecting your plants and soil from the harmful exposure to heat and chemical extraction.



KEY PRODUCT BENEFITS:

- 100% cold processed Norwegian sea kelp extract, to release and preserve kelp's beneficial constituents without harmful exposure to heat or chemical extraction
- Helps fight plant stress
- Improves drought tolerance in plants



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NUTRI-TURF (3-2-3)

Nutri-Turf is specifically formulated to help existing lawns and native grasses thrive. The liquid solution contains an ideal balance of nutrients distilled to 400 Dalton size (the smallest size on the market) so grass can immediately absorb the benefits. Nutri-Turf resists photochemical breakdown from the sun's rays and maintains a neutral charge, preventing unwanted reactions with other chemicals. Spray Nutri-Turf directly onto turf grass and know you are delivering complete, targeted nutrition with minimal waste.



KEY PRODUCT BENEFITS:

- A proprietary formulated treatment for turf and native grasses
- Nutrients are fully complexed and chelated to less than 400 Dalton size for immediate uptake
- Promotes rapid production of protozoa, fungi, and hyphae
- Contains a broad spectrum of nutrients and trace elements for superior soil and leaf biology
- Safe to apply with herbicides, insecticides, fungicides, and other fertilizers



APPLICATION RATES:

- **Turf & Lawns** // Spray or drench 2-8 oz. per 1,000 SF or 1/2-3 gallons per acre
- **Soil Conditioning** // Drench 3-6 oz. per 1,000 SF into soil



TREE & SHRUB (3-2-3)

Tree & Shrub, a proprietary formula for trees, shrubs, and flowers, contains an ideal balance of NPK. Tree & Shrub is distilled to 400 Dalton size which allows plants to absorb nutrients immediately and boost growth.

Spray Tree & Shrub directly onto foliage, drench plants or inject into the root zone; whatever method you use, you can know you are delivering complete, targeted nutrition with minimal waste.



KEY PRODUCT BENEFITS:

- A proprietary formulated treatment for trees and ornamentals
- Promotes rapid production of protozoa, fungi, and hyphae
- Contains microbial fermentation extracts that condition the soil
- Nutrients are fully complexed and chelated to <400 Dalton size for immediate uptake
- Can be drenched, sprayed, or deep-root injected
- Safe to apply with herbicides, insecticides, fungicides, and other fertilizers



APPLICATION RATES:

- **Trees** // 1-4 oz. per DBH or per caliper
- **Foliar Spray** // Dilute 1 gallon with 100 gallons of water to spray
- **Drench Application** // Dilute 1 gallon with 50-100 gallons of water and drench soil
- **Tree Planting** // Dilute 1 cup with 2 gallons of water per 2 inches DBH and pour around the base
- **Tree Treatment** // Dilute 1 cup with 2 gallons of water per 2 inches DBH and pour around the base and inside of 1/2 drip line
- **1 Container Gallon Plants** // Dilute 1/2 cup with 2 gallons of water and drench soil



WEED CONTROL

Mirimichi Green Weed Control is offered in a convenient ready-to-use spray bottle and in a concentrate. It is a non-selective herbicide with residential, commercial, and non-crop uses. It controls weeds in homeowners gardens, driveways, patios, and flower beds. It is registered for public uses such as municipalities, right-of-ways, sports fields, golf courses, and natural habitats. Applications also include weed & grass control in farmsteads, turf farms, production greenhouses, native grasses, ornamentals, and trees grown for production. The formulation is an easy-mix concentrate. No surfactant is needed. No translocation is necessary as the herbicide kills on contact. Since Mirimichi Green Weed Control is rapidly broken down in soils, there is no chance for environmental buildup or runoff into ponds and streams. It is OMRI listed for organic production—it is a great natural alternative to traditional herbicides.



KEY PRODUCT BENEFITS:

- Results in 15 minutes!
- For control or burndown of weed/grasses
- Leaves no harmful residues
- Effective weed control in cooler climates
- Readily biodegradable
- For organic gardening



APPLICATION RATES:

- **Concentrate** // Dilute with water at a rate of 20-1 (5%) or 10-1 (10%) depending on targeted species
- **Ready-To-Use bottle** // Spray product directly on targeted species.



PEST CONTROL

STANDARD BLEND:

Mirimichi Green's Pest Control is the solution with proven efficacy and safety for pest issues. Mirimichi Green's Pest Control was tested by standards set by the World Health Organization. The efficacy test revealed an 80+ percent kill rate for pests and larvae in a 24-hour period. By killing the larvae, egg cycles are disrupted so future outbreaks of pests are eradicated in the treated areas over time. The pest controls' effectiveness is not affected by rainfall and should be applied on a regular schedule to keep pests away. Mirimichi Green's Pest Control is all-natural (FIFRA 25B Exempt ingredients) and known to be safe to spray around people, pets, and plants, with an immediate re-entry time after the spray has settled, making it ideal for any outdoor area.

MIRIMICHI GREEN'S PEST CONTROL WORKS ON:

- Mosquitoes
- Fleas
- Ticks
- Ants
- Roaches
- No-see-ums
- Chiggers
- Spiders
- Mites
- Whiteflies
- Aphids and many more insects

FACTS & TIPS FOR APPLYING MIRIMICHI GREEN PEST CONTROL:

- Mirimichi Green Pest control is the only all-natural outdoor pest control with a kill rate. It is an adulticide, pheromone interrupter, deterrent, repellent, and kills the larvae on contact interrupting future egg cycles.
- No offensive odor.
- Mirimichi Green Pest Control is known to be safe to spray around people, pets, and plants when used as directed.
- Immediate re-entry time after the spray has settled or dried.
- Pests do not become immune.
- Rainfall does not affect the products' effectiveness.
- It is safe to treat around water features and ponds. Product drift will not harm aquatic life. Do not treat the water directly.
- Added Carbon helps facilitate ground penetration and activates ingredients to implore the pest.
- With scheduled maintenance program, application times will decrease. Customers that commit to a maintenance program achieve the best results and use less product over time.
- All outdoor furniture/concrete can be treated without staining. Allow 15-30 minutes for product to dry.
- Spray the entire property. This includes all points of entry, window areas, foundations, turf, bushes, trees, garage /carport, porches, gutters, drains, bird baths, fences, woodpiles, buckets, etc.
- Concentrate on muddy areas or places that collect standing water to prevent larvae from hatching. Larvae will sit dormant for months. This is your opportunity to prevent an outbreak.

MIRIMICHI GREEN PEST CONTROL PROGRAM EXAMPLE:

- Required PPE includes glasses and masks to protect from inhalation or direct eye contact.
- Shake well before using.
- Mix with water and apply with a backpack sprayer, mist blower, sprinkler injection pump, or misting system.
- A 12-month program is the most successful way to achieve complete pest control in year-around climates. Start program as early as possible before temperatures rise.
- Months 1-4 - use 6 oz. per gallon.
- Months 5-8 - use 8 oz. per gallon.
- Months 9-12 - use 4 oz. per gallon.
- 1-gallon of mixed product covers approximately 1500-7500 SF depending on the density of the landscape being treated, and the type of equipment being used.
- Apply every 14-28 days.

	Backpack Sprayer	Mist Blower	Sprinkler Injection Pump	Misting System
Maintenance Rate	4-8 oz. per gallon of water			
Infestation Rate	Up to 16 oz. per gallon water			
Coverage	1500-3000 SF	3500-7500 SF	Per system specs.	Per system specs.

*Sprinkler Injection Pumps: Larger systems with long mainline runs, require 12 oz. per gallon of water.



CARBON BUILDING PROGRAM

Combine CarbonizPN Soil Enhancer with any of our liquid products to start putting carbon back into the soil. All Mirimichi Green liquid fertilizers and bio-stimulants contain micronized liquid carbon to boost soil health.

- CarbonizPN Soil Enhancer - 50% biochar**
- Release 9-0-1 C - 10% liquid carbon**
- Release Zero - 10% liquid carbon**
- Tree & Shrub - 2% liquid carbon**
- Nutri-Kelp - 2% liquid carbon**
- Nutri-Turf - 2% liquid carbon**
- Nutri-Release - 2% liquid carbon**



BENEFITS OF CARBON BUILDING PROGRAM:

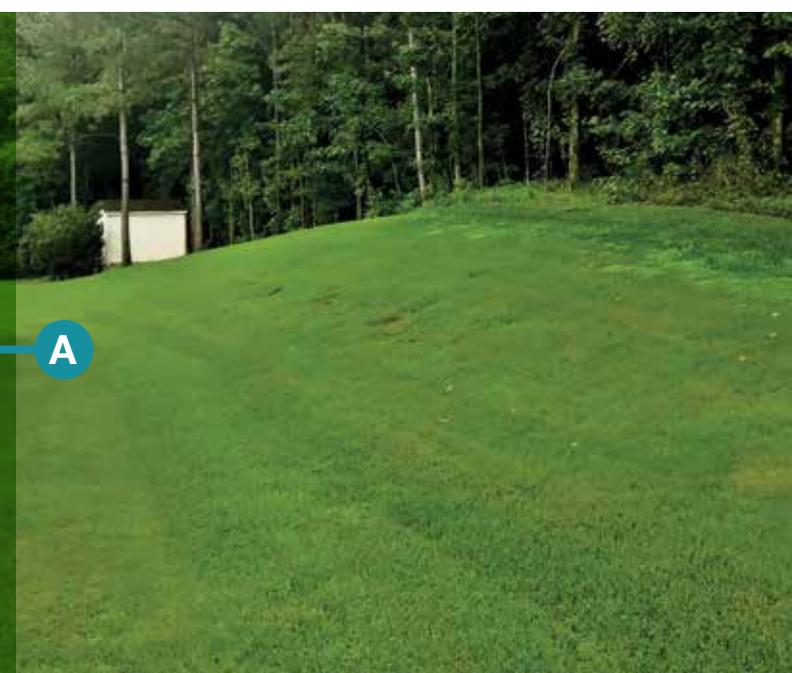
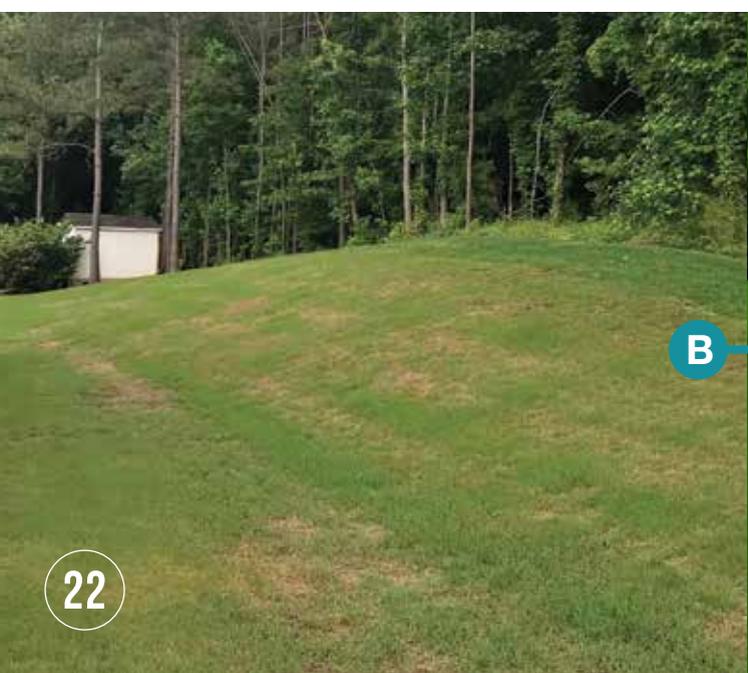
- Nutrient solubilizer
- Solubilizes present minerals and chelates them into a readily available form
- Reduces water, fertilizer, and chemical input requirements
- Aerates soil
- Reduces compaction
- Optimizes pH
- Increases nutrient uptake (CEC)



HOW IT WORKS IN YOUR INDUSTRY:

EQUINE
GOLF
SPORTS FIELDS
PARKS & REC
LANDSCAPING
EROSION CONTROL







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