

MIRIMICHI GREEN*

Activate Nature.

PRODUCT GUIDE

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INSPIRED BY THE NATURAL BEAUTY AND ECO-FRIENDLY MANAGEMENT OF MIRIMICHI GOLF COURSE, WE BEGAN AS ALL GREAT AMERICAN COMPANIES DO: WITH A BELIEF THAT WE COULD OFFER THE MARKET SOMETHING BETTER.

Equipped with only that idea, a truck, and lots of grit, the founding team of Mirimichi Green spent much of the early days traveling the country in search of the right combination of organic nutrients and manufacturing technologies to develop a natural product line that could deliver professional performance at a sustainable price.

Today, we are a fast-growing, market-leading developer of next-generation biotechnologies with products that are leading the charge in both performance and sustainability. Our product line now includes soil amendments, bio-stimulants, natural fertilizers, natural pesticides, and a host of agricultural inputs.

When you incorporate Mirimichi Green products into your program, you join a cultural shift to work with nature to obtain better results at a greater value, while simultaneously being a better steward of the environment.

The Opportunity

Property owners face increasing social, environmental, and economic pressures to adopt new methods of installation and maintenance for both crop and noncrop plants. Despite these pressures, expectations for plant yield and performance remain unchanged. We accept this challenge.









Economic Pressures



Environmental Pressures

ACTIVATE NATURE.

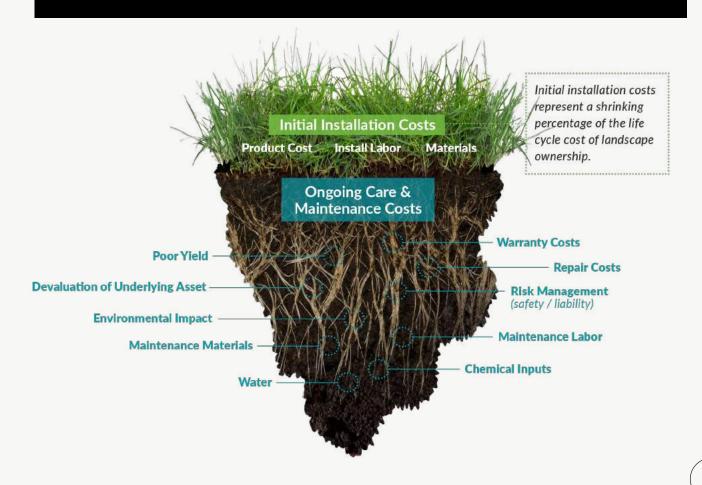
Our philosophy is simple - life thrives in a healthy environment. So, our products are designed to support a healthy growing ecosystem in which biology and natural processes do what they have evolved to do. At Mirimichi Green®, we don't want to change nature, we seek to activate it!

ECONOMIC SUSTAINABILITY

We believe environmental sustainability requires economic sustainability.

Our life-cycle-cost approach to product technology and program development has been designed to deliver economic sustainability that serves landscapers, developers, educational institutions, golf courses, government agencies, parks and recreation departments, equine farms, sports field managers, corporate sustainability initiatives, and agricultural growers of all zones, regardless of soil condition.

OUR HOLISTIC PROGRAM REDUCES THE TOTAL COST OF LANDSCAPE OWNERSHIP AND TARGETS 50% REDUCTIONS IN ONGOING COSTS LIKE REPAIRS, CHEMICAL INPUTS, LABOR, AND WATER.



ENVIRONMENTAL IMPACT

Sustainable practices are good, but regenerative practices are better - that's why we're working on programs and products that have a net positive environmental benefit.

We design programs to help landscapers and growers reduce environmentally costly efforts like watering, maintenance labor, and chemical inputs.

Meanwhile, we seek to divert waste streams and recover valuable nutrients into high-performing products that store carbon in the soil, reduce runoff, and promote more stress-tolerant growth.

Green Products

- Reduce environmental stress, allowing plants to prosper - naturally
- Improve soil structure and active biology, promoting root growth and mitigating erosion
- Reduce a landscape's ongoing needs for water, synthetic chemicals, and labor
- Store carbon in the soil, providing structural improvements for life (400 year half life)
- Are non-toxic to insects, bees, animals, and humans

Made the Green Way

- Received NCMEP Award in Sustainable Manufacturing
- Made from high-quality ingredients including agricultural byproducts that help divert thousands of tons of livestock, cotton, and wood waste for beneficial use
- Inputs and manufacturing processes include research and various certifications by USDA-ARS, USDA Bio-Based program, US Composting Council, OMRI, and other leading groups

OUR PRODUCTS ARE DEVELOPED WITH 3 PRINCIPLES IN MIND:

- ➤ PRICE We make affordable products that can be tailored to every budget.
- ➤ PERFORMANCE Our products must 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.

EDUCATION, TRAINING, & PROGRAMS

MIRIMICHI GREEN UNIVERSITY

Learning how to successfully use and apply our products is fairly straightforward, but accessing that information conveniently and sharing it with your teammates is another matter.

That's why we created Mirimichi Green University - an online, on-demand e-learning portal to make it easy to learn on the go. Originally developed for our distributors, in 2020 we're opening this portal to end-users and landscape professionals, and will be expanding it to include more information, case-studies, and live webinars.



CERTIFIED APPLICATOR PROGRAM

We hope this new program will be an easy, effective way to share the burden of training your team and provide a direct link from Mirimichi Green to you, the end-user.

In addition to tracking training and progress through Mirimichi Green University, our certification program provides an additional level of training, sales, and marketing support for you and your team.





CARBON BUILDING PROGRAM

Gardening experts have long promoted "Strive for 5%" - the idea that healthy soils should contain at least 5% organic matter. The reality is that many soils are carbon-deficient, resulting in depressed soil function and higher levels of nutrient runoff.

Do you have a 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 901C[™] - 10% liquid carbon Release Zero[™] - 10% liquid carbon Nutri-Tree & Shrub[™] - 2% liquid carbon Nutri-Kelp[™] - 2% liquid carbon Nutri-Turf[™] - 2% liquid carbon Release 202[™] - 2% liquid carbon



BENEFITS OF A CARBON BUILDING PROGRAM:

- 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)

Can't I just add compost?

Fresh organic materials lose more than half their volume by the time they are fully decomposed. CarbonizPN® is 50% activated biochar - a stable, permanent source of carbon that helps build your carbon levels faster and keep them higher longer.

INDUSTRY PROOF

From the very start, we sought to develop products that performed to professional standards and ultimately manufacture them at commercial scale. We've been honored and inspired by the reception of our products across several industries unified by professional landscape requirements.



ATHLETICS & SPORTS FIELDS





















GOLF





















EQUINE

















UNIVERSITIES & CORPORATE CAMPUSES





















PARKS & RECREATION















"I TESTED CARBONIZPN SOIL ENHANCER AND IMMEDIATELY SAW RESULTS. THERE HAS BEEN A DRAMATIC REDUCTION IN LABOR AND MAINTENANCE. I'VE BEEN USING MIRIMICHI GREEN PRODUCTS WITH ALMOST EVERY PLANT INSTALLATION!"

- **Jeff Boll** Owner of Atlas Landscapes, LLC

Activate Nature.

CORE PRODUCTS

EFFECTIVE PRODUCTS. NATURALLY.

We develop effective, bio-based fertilizers, bio-stimulants, pesticides, and soil amendments.

Every product is built around natural inputs designed to support a healthy growing ecosystem.





















We are exited to introduced new product branding and labeling

Aimed at making easier for customers to understand, chose, and use Mirimichi Green products.



INCLUDES



new labeling



easy-to-use rate tables



minor tweaks to product names and categories

Each main product category has been differentiated by color.

SOIL AMENDMENTS

Soil Amendments are the foundation of Mirimichi Green. You can easily identify these products as featuring our core brand colors of Mirimichi Green and Biochar Black.

BIOSTIMULANTS + FERTILIZERS

Biostimulants + Fertilizers are presented in shades of "Biostimulant Blue".

NATURAL PESTICIDES

all, these products are designed to kill!

POWERED BY

MIRIMICHI GREEN®

Co-branded Products with Our Technology

In addition to the Mirimichi Green brand products outlined in this product guide, we are pleased to support strategic partners with their own branded products through the licensing of our technologies and contract manufacturing capabilities. To identify these co-branded products, look for the "Powered by Mirimichi Green" seal on product labels and packaging.



SOIL AMENDMENTS

Next generation Soil Amendments like CarbonizPN, Essential-G, and our microbial powder ByoSpxtrum are designed to improve the fundamental growing condition of soils. Activated carbon, beneficial biology, and organic nutrients abound in this product category.

CarbonizPN is our original bulk granular product. Essential-G is its new, more spreadable cousin. Both products are built on our CarboMatrix technology. Be sure to note ingredients, recommended equipment, and application rates for each product to select the one that's right for your job.

While all of our soil amendments contain beneficial soil biology, ByoSpxtrum takes it up several notches. ByoSpxtrum is activated with water and spray applied, making this product ideal for liquid applicators looking to add an easy method for improving soil health.











SOIL AMENDMENTBulk granular soil enhancer

BULK GRANULAR

DIRECTIONS FOR USE:

Mirimichi Green CarbonizPN® Soil Enhancer is made from a professional blend of premium compost and USDA Certified Biobased Premium Biochar, **CarbonizPN** is a granular soil amendment that can be used on for all types of grasses, plantings, sod, and seed.

Healthy plants start with healthy soil. **CarbonizPN** Soil Enhancer is a soil amendment that helps plants thrive by improving the efficiency of the soil. **CarbonizPN** Soil Enhancer is composed of **CarboMatrixTM** Technology. The activated carbon (biochar) inoculated with premium organics remain in the soil to reduce compaction, drive root growth, increase fertility and water absorption, and decrease nutrient leaching.

Soils are often depleted of a well-balanced nutrient makeup. The USDA Certified Biobased Carbon (biochar) in **CarbonizPN** Soil Enhancer works to lockup heavy metals and unleash the macronutrients and micronutrients trapped in the soil and make them available to the root system. By adding **CarbonizPN** Soil Enhancer into the soil profile, beneficial microorganisms can create a home in the carbon structure and enhance the soil biology complex.

CarbonizPN Soil Enhancer is excellent for: establishing turf, new seed, topdressing, sod installations, hydroseeding, potted plants and plant beds, tree and shrubs, nurseries, gardens, and more.

APPLICATION	RATE	FREQUENCY
Topdressing/Aerating	Spread 40-80 lbs. per 1,000 SF	Apply as needed
Golf	For golf-specific rates please visit MirimichiGreen.com/golf	Apply monthly
Sports Turf	Apply 80-120 lbs. per 1,000 SF	Apply monthly
New Sod	Spread 40 lbs. (one bag) underneath each pallet of sod	Apply as needed
Lawn Care (Cool & Warm Season Grasses)	Spread 20-40 lbs. per 1,000 SF	Apply every 4-6 weeks during the growing season
Gardens	Apply 1 inch on top of the soil and till 4 to 8 inches deep into the soil or incorporate 5% to 10% by volume into garden soil.	Apply during planting
Plants, Flowers, and Shrubs	Incorporate 2% to 10% by volume into planting or soil mix.	Apply as needed
Trees	Apply 5-10 lbs. per caliper inch around the base of the tree or incorporate into planting mix/soil.	Apply at installations and 1-4 times per year
Hydroseeding	Seeding - 4,000 lbs. per acre Soil Reclamation - 10% by volume	Apply as needed

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GUARANTEED ANALYSIS:

Biochar derived from Pinewood Scraps 50% Derived From: Pinewood scraps, swine manure

AVAILABLE SIZES AND PART NUMBERS:

40 lb. bags - 10140 (2) 1 yd. Super sacks - 1011Y

KEY PRODUCT BENEFITS

- Reduces water needs
- Aerates soils and reduces compaction
- Reduces fertilizer and chemical inputs
- Optimizes pH
- Increases nutrient uptake (CEC)
- Provides permanent home for biology
- Sustainable, natural, and safe

New Look!

Same Great Product.



COVERAGE:

One 40 lb. bag
At the rate of 40#/1,000 SF will cover 1,000 SF.
At the rate of 80#/1,000 SF will cover 2,000 SF.

RECOMMENDED EQUIPMENT:

Belt-driven Topdresser



CarbonizPN® can be hand applied, sand blended, or broadcast with a belt-driven toodresser.

Due to the product's consistency, walk-behind spreaders do not perform well and often clog so they are not recommended. For additional tips on successfully applying this product, please visit MirimichiGreen.com.

CPN-FLY-R5 (01.06.21)



SPREADABLE GRANULAR



SOIL AMENDMENT Spreadable granular soil enhancer

DIRECTIONS FOR USE:

Essential-G™ is a spreadable, granular soil amendment that can be used for all turf establishments, new seed, and planting applications to promote plant growth and improve the quality of soil.

Essential-G is a spr commercial turf esta unique, high-quality Technology. The pro and USDA Certified reclaimed waste stre organic content which reduce compaction, grasses. This essential granular soil amendment is ideal for any turf management program.

readable, granular soil amendment that can be used for all residential and
ablishments, new seed, and planting applications. Essential-G is a
blend of desired soil amending ingredients and CarboMatrix™
oduct consists of reclaimed coffee grounds, premium organics, humate,
Biobased Carbon (biochar), and silicon. Essential-G contains natural,
ream inputs known to improve the texture of the soil and increase the
ich allows the soil to hold nutrients and moisture. The soil amendment will
, drive deeper root growth, and quicker green-up and recovery for

APPLICATION	RATE	FREQUENCY
Topdressing/Aerating	Spread 20-40 lbs. per 1,000 SF	Apply as needed
Golf	Initial rate: 20 lbs. per 1,000 SF Maintenance rate: 10 lbs. per 1,000 SF	Apply every 2-4 weeks
Sports Turf	Spread 20-40 lbs. per 1,000 SF	Apply monthly
New Sod	Spread 20 lbs. (1/2 bag) per 1,000 SF before laying sod	Apply as needed
Lawn Care (Cool & Warm Season Grasses)	Initial rate: 20 lbs. per 1,000 SF Maintenance rate: 10 lbs. per 1,000 SF	Apply every 4-6 weeks during the growing season
Gardens	Apply 1/2 inch on top of the soil and till 4 to 8 inches deep into the soil or incorporate 2% to 5% by volume into garden soil.	Apply during planting
Plants, Flowers, and Shrubs	Incorporate 2% to 5% by volume into planting or soil mix.	Apply as needed
Trees	Apply 2-5 lbs. per caliper inch around the base	Apply at installations and 1-4

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SPREADER SETTINGS		
PermaGreen	14	
Lely	4	
LESCO® Spreader	14	
Earthway	14.5	
Vicon/LESCO® Bulk Spreader	24	

AVAILABLE SIZES AND PART NUMBERS:

40 lb. bags - D11140EG (2) 1 yd. super sacks - D111SSEG

KEY PRODUCT BENEFITS

- Strengthens root growth
- Aerates soil and reduces compaction
- Optimizes pH
- Increases water holding capacity
- Increases nutrient uptake (CEC)
- Long-lasting biochar increases residual value
- Promotes natural chelation of Iron
- Adds essential organic matter for microbes
- Provides fast green-up and recovery



COVERAGE:

At the rate of 20#/1,000 SF will cover 2,000 SF. At the rate of 10#/1,000 SF will cover 4,000 SF.

RECOMMENDED EQUIPMENT:

Walk-Behind Spreader OR Belt-driven Topdresser



EG-FLY-R5 (01.06.21)





ByoSpxtrum[™]

Complex Microbiology for Soil

SOIL AMENDMENT Soluble Microbial Powder

WATER SOLUBLE POWDER

PURPOSE:

ByoSpxtrum is a variety of microbe food sources designed to enhance the indigenous plant-friendly microbial populations in the soil.

ByoSpxtrum is a complex combination of microbes, soil and plant amending ingredients, critical enzymes, and microbial food sources. The combination of these ingredients will make indigenous beneficial microbes explode in numbers in the soil. This will improve the organic matter in the soil and breakdown thatch and other dead plant matter into usable nutrients. Plants need more than the few so-called superstrains of beneficial bacteria and fungi. They need a wide variety and diversity of biology, which ByoSpxtrum delivers.

The vast complex of microbes in ByoSpxtrum helps plants grow efficiently and effectively at all stages of growth. Unlike other soluble powder inoculations on the market,

ByoSpxtrum's microbes activate to full life in seconds due to the proprietary process that avoids stunning or harming them. ByoSpxtrum is comprised of components that are 100% non- GMO and non-synthetic, and it is approved for use on certified organic crops.

KEY PRODUCT BENEFITS

- Inoculates soil with diverse population of bacteria and fungi beneficial to soil and plant life
- Invigorates root growth
- Helps break down soil compaction
- Enhances resistance to drought, pests and disease
- Improves photosynthetic performance
- Improves nutrient uptake
- Does not contain fillers
- Increases Brix levels

New Look!



1 pouch of ByoSpxtrum (17 oz) is enough to treat approximately 5 acres.

APPLICATION	RATE	FREQUENCY
Greens/Tees	3.4 to 6.8 ounces / acre	Apply every 2 weeks
Fairways		Apply every 4 weeks
Roughs		Apply every 6 weeks
General Turf		Apply every 4-6 weeks
Backpack Sprayer	Add 1 tablespoon (0.25 dry ounces) to a standard 4 gal backpack sprayer.	



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Guaranteed analysis:

Non-plant food ingredients35.20% 3.5 x 10⁷ cfu/g **Bacillus Subtilis** Bacillus Megaterium 1.75 x 10⁷ cfu/g Bacillus Licheniformis 1.75 x 107 cfu/g 1.75 x 107 cfu/g **Bacillus Simplex** Glomus Intraradices 55 ppg/g

Total Other Ingredients64.80%

AVAILABLE SIZES and **PART NUMBERS:** 17 ounces - 11017



RECOMMENDED EQUIPMENT: Backpack or Tank Sprayer





BYOSPXTRUM-FLY-R6 (01.06.21)

LIVING, BREATHING SOIL!

Measuring Soil Biology

"Soil health is the cumulative soil condition based upon chemical, physical and biological properties. While measures of soil often focus on chemical properties, and to a lesser extent physical properties, biological properties may be overlooked. However, your soil is alive! One cup of soil may hold as many individual bacteria as there are people on Earth! The complex of living organisms in soils plays a critical role in the processes that create and maintain soil health and impact crop yields, quality and vigor." - Kristin Williams

Unlike soil chemistry, there is no 'standard' test for soil biology, and testing usually costs more money. Research and development is still underway to make soil health and soil biology tests more accessible and leading the charge is Solvita.





About Solvita

Solvita Soil Tests provide indicators of soil biological processes and an opportunity to see if your applications of ByoSpxtrum, CarbonizPN and other products are successfully enhancing the soil biology.

Soil biological forces interact with soil to form a cornerstone of productivity and stable yields – and Solvita soil tests capture key biological, chemical and physical traits indicating healthy functioning.

A common feature of the soil-plant system is soil-dwelling organisms (bacteria, fungi, animals) expressing their activity and mass by metabolism – the consumption of litter and detritus and release of respired carbon as CO₂. This is nature's natural cycle. It is widely recognized that overall soil respiration is indicative of total soil biology and can be used effectively to monitor and evaluate changes in soil management practices. In addition, respiring organisms and plant roots contribute to broader soil properties. Solvita tests provide a capability to easily and cost-effectively monitor these traits.

HOW TO GET A SOLVITA TEST

Solvita testing is a very effective way to tell if your soil is benefiting from your biological applications and the test is inexpensive. Ask your distributor to order one for you. If they don't know how, chat with us on MirimichiGreen.com and we'll make sure they know how.

Just remember you need to do a before and after test to compare results.

- > Before your application take a sample and submit for testing.
- Make your applications of ByoSpxtrum and/or CarbonizPN
- > Wait about 4 weeks and take another sample for testing.
- > Then simply compare the results.

Remember ${\rm CO_2}$ levels are what you are truly looking for. The higher the level of ${\rm CO_2}$ the more microbial activity your soil has.



BIOSTIMULANTS + **FERTILIZERS**

There are foliar fertilizers and then there are Mirimichi Green's Biostimulants + Fertilizers.

Our Biostimulants + Fertilizers category is so-named because Mirimichi Green will never sell a "naked NPK" product. We're on a mission to reduce the need for chemical inputs by improving their efficiency. One way we accomplish this is through the addition of biostimulants. Products in this category are based on our NanoRelease Technology, which contains nano-sized nutrients (less than 400 Daltons) and activated carbon, optimizing absorption and making nutrition available to the plant through both leaves and roots.

Micronized biostimulants do more than feed plants and soil biology. They act as a catalyst, improving the performance of many other inputs (even pesticides) improving your return on investment in those products.

Release products contain our most concentrated offering of NanoRelease biostimulants plus varying levels of NPK and Carbon.







Nutri products are targeted biostimulants, optimized for specific applications like turf, ornamentals, and heat and drought conditions. Like the Release products, these have varying levels of NPK.











BIOSTIMULANT + FERTILIZER

Nano-sized nutrients to feed the plant and soil biology.

APPLY AS FOLIAR SPRAY OR DRENCH

Previously called Nutri-Release 202. **Release 202TM** is a powerful and effective biostimulant delivering nutrients to any plant or turf by absorption through roots and leaves. **Release 202** can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

2-0-2

Release 202 is a liquid biostimulant and fertilizer with NanoRelease™
Technology that effectively delivers a wide variety of nutrients through the leaves and root system.

The premium micronized nutrients and carbon in **Release 202** optimizes absorption and are immediately available to the plant without it having to break down the nutrients to digest them. The nano-sized micronutrients promote rapid growth in soil biology populations, and the liquid carbon provides a home for this biology. The 2% liquid carbon in **Release 202** creates aeration within the soil to drive deeper root growth. **Release 202** improves water retention in the soil and nutrient uptake (CEC) while serving as a catalyst to enhance the performance of many pesticides and other turf maintenance products.

Release 202 has proven efficacy. A study showed NanoRelease™ Technology to be 50 times more effective than Humic 6% at releasing unavailable nutrients in the soil and making them available to the plant. Release 202 has been shown to extend nutrient availability in the soil for up to 120 days - 3 times as long as typical fertilizers.

KEV	DDO	DUCT	RENE	FITS

- One of the most advanced nutrient and biological enhancement technologies
- A natural microbial food source, bio-surfactant, and nutrient solubilizer
- Solubilizes present minerals and chelates them into plant available form
- Promotes rapid production of beneficial protozoa, fungi, and hyphae, for superior soil health
- Optimizes pH and increases nutrient uptake (CEC)
- Safe to apply with herbicides, insecticides, fungicides, and other fertilizers

FREQUENCY APPLICATION Spray 2-7 ounces per 1,000 SF Tees & Greens Apply every 7-14 days Fairways & Roughs Spray 2-7 ounces per 1,000 SF Apply monthly Sports Turf Spray 2-7 ounces per 1,000 SF Apply monthly New Sod Spray the ground with 2-7 ounces per 1,000 SF Apply prior to installation before laying sod Lawn Care Spray 2-7 ounces per 1,000 SF Apply every 4-6 weeks during the (Cool & Warm Season Grasses) growing season Plants, Flowers, and Shrubs Drench - Dilute 1 ounce with 50-100 ounces of water Apply monthly Foliar - 1 ounce with 100 ounces of water. Trees 1-4 ounces per caliper inch. Apply at installations and 1-4 times per year Drench - Dilute 1 gallon with 50-100 gallons Apply as needed or consult your Hemp & Cannabis Mirimichi Green representative Foliar - Dilute 1 gallon with 100 gallon of water to cover leaves

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GUARANTEED ANALYSIS:

Derived From: Urea, potassium nitrate and potassium sulfate.

AVAILABLE SIZES AND PART NUMBERS:

32 ounces - 30932OZ 2.5 gallons - 30925G 30 gallons - 30930G 250 gallons - 309250G

New Look!

Same Great Product.



R202-FLY-R6 (01.06.21)





BIOSTIMULANT + FERTILIZER

Nano-sized nutrients to feed the plant and soil biology.

APPLY AS FOLIAR SPRAY OR DRENCH

Release 901C is a powerful and effective biostimulant delivering nutrients to any plant or turf by absorption through roots and leaves. **Release 901C** can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

9-0-1C

Release 901C is a liquid biostimulant and fertilizer with **NanoRelease™** Technology that effectively delivers a wide variety of nutrients through the leaves and root system.

The premium micronized nutrients and carbon in **Release 901C** optimizes absorption and are immediately available to the plant without it having to break down the nutrients to digest them. The nano-sized micronutrients promote rapid growth in soil biology populations, and the liquid carbon provides a home for this biology. The 10% liquid carbon in **Release 901C** creates aeration within the soil to drive deeper root growth.

Release 901C improves water retention in the soil and nutrient uptake (CEC) while serving as a catalyst to enhance the performance of many pesticides and other turf maintenance products. Release 901C has proven efficacy. A study showed NanoRelease™ Technology to be 50 times more effective than Humic 6% at releasing unavailable nutrients in the soil and making them available to the plant. Release 901C has been shown to extend nutrient availability in the soil for up to 120 days - 3 times as long as typical fertilizers. A study showed that 9% nitrogen with our liquid carbon and NanoRelease™ Technology is the equivalent of using 18% nitrogen proving Release 901C to be a superior biostimulant and fertilizer.

APPLICATION	RATE	FREQUENCY
Tees & Greens	Spray 2-7 ounces per 1,000 SF	Apply every 7-14 days
Fairways & Roughs	Spray 2-7 ounces per 1,000 SF	Apply monthly
Sports Turf	Spray 2-7 ounces per 1,000 SF	Apply monthly
New Sod	Spray the ground with 2-7 ounces per 1,000 SF before laying sod	Apply prior to installation
Lawn Care (Cool & Warm Season Grasses)	Spray 2-7 ounces per 1,000 SF	Apply every 4-6 weeks during the growing season
Plants, Flowers, and Shrubs	Drench - Dilute 1 ounce with 50-100 ounces of water. Foliar - 1 ounce with 100 ounces of water.	Apply monthly
Trees	1-4 ounces per caliper inch.	Apply at installations and 1-4 times per year
Hemp & Cannabis	Drench - Dilute 1 gallon with 50-100 gallons of water. Foliar - Dilute 1 gallon with 100 gallon of water to cover leaves.	Apply as needed or consult your Mirimichi Green representative

GUARANTEED ANALYSIS:

Total Nitrogen (N)	9%
0.6% Nitrate Nitrogen	
8.4% Urea Nitrogen	

Soluble Potash (K₂O) 1%

Derived From: Urea, potassium nitrate and

potassium sulfate.

AVAILABLE SIZES AND PART NUMBERS:

32 ounces - 301232OZC 2.5 gallons - 30122.5GC 30 gallons - 301230GC 250 gallons - 3012250GC

KEY PRODUCT BENEFITS

- A natural microbial food source, bio-surfactant, and nutrient solubilizer
- Solubilizes present minerals and chelates them into plant available form
- Reduces water, fertilizer and chemical input requirements
- Aerates soil and reduces compaction
- Promotes rapid production of beneficial protozoa, fungi, and hyphae for superior soil health
- Optimizes pH and increases nutrient uptake (CEC)
- Safe to apply with herbicides, insecticides, fungicides, and other fertilizers

New Look! Same Great Product.



R901C-FLY-R6 (01.06.21)

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ORGANIC BIOSTIMULANT

Nano-sized nutrients to feed the plant and soil biology, with zero N-P-K.

APPLY AS FOLIAR SPRAY OR DRENCH

Release ZERO contains all of the biostimulant power of our Release line products with none of the NPK (0-0-0). **Release ZERO** can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

ZERO

Release ZERO is a liquid biostimulant and soil enhancer (no N-P-K) with NanoRelease™
Technology that effectively delivers a variety of organic compounds and minerals through the leaves and root system. The premium micronized nutrients and carbon in Release ZERO optimizes absorption and are immediately available to the plant without it having to break down the nutrients to digest them. The nano-sized micronutrients promote rapid growth in soil biology populations, and the liquid carbon provides a home for this biology. The 10% liquid carbon in Release ZERO creates aeration within the soil to drive deeper root growth.

Release ZERO improves water retention in the soil and nutrient uptake (CEC) while serving as a catalyst to enhance the performance of many pesticides and other turf maintenance products. Release ZERO has proven efficacy. A study showed NanoReleaseTM Technology to be 50 times more effective than Humic 6% at releasing unavailable nutrients in the soil and making them available to the plant. Release ZERO has been shown to extend nutrient availability in the soil for up to 120 days - 3 times as long as typical fertilizers proving Release ZERO to be a superior biostimulant and soil amendment.

APPLICATION	RATE	FREQUENCY
Tees & Greens	Spray 2-7 ounces per 1,000 SF	Apply every 7-14 days
Fairways & Roughs	Spray 2-7 ounces per 1,000 SF	Apply monthly
Sports Turf	Spray 2-7 ounces per 1,000 SF	Apply monthly
New Sod	Spray the ground with 2-7 ounces per 1,000 SF before laying sod	Apply prior to installation
Lawn Care (Cool & Warm Season Grasses)	Spray 2-7 ounces per 1,000 SF	Apply every 4-6 weeks during the growing season
Plants, Flowers, and Shrubs	Drench - Dilute 1 ounce with 50-100 ounces of water. Foliar - 1 ounce with 100 ounces of water.	Apply monthly
Trees	1-4 ounces per caliper inch.	Apply at installations and 1-4 times per year
Hemp & Cannabis	Drench - Dilute 1 gallon with 50-100 gallons of water. Foliar - Dilute 1 gallon with 100 gallon of water	Apply as needed or consult your Mirimichi Green representative

CENTAUR ASIA PACIFIC

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GUARANTEED ANALYSIS:

AVAILABLE SIZES AND PART NUMBERS:

32 ounces - 301332OZ 2.5 gallons - 301325G 30 gallons - 301330G 250 gallons - 3013250G

KEY PRODUCT BENEFITS

- One of the most advanced nutrient and biological enhancement systems
- A natural and organic microbial food source and nutrient stabilizer
- Solubilizes present minerals and chelates them into plant available form
- Promotes rapid production of protozoa, fungi, and hyphae, for superior soil health
- Safe to apply with herbicides, insecticides, fungicides, and other fertilizers

New Look! Same Great Product.



RZ-FLY-R6 (01.06.21)





TARGETED BIOSTIMULANT + FERTILIZER

Nano-sized nutrients specifically formulated to to protect turf from heat and drought.

APPLY AS A FOLIAR FERTILIZER AND DRENCH

Nutri-Kelp takes the benefits of kelp to the next level. This powerful biostimulant delivers nutrients to optimize pH and help protect plants and soil from harmful exposure to heat and drought stress. **Nutri-Kelp** can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

1-1-4

Nutri-Kelp is a liquid fertilizer and biostimulant that takes the benefits of kelp to the next level. Nutri-Kelp was developed by combining 100% cold processed Norwegian sea kelp, vitamins, enzymes, organics, and essential nutrients to resolve the soils nutrient deficiencies. Nutri-Kelp contains NanoRelease™ Technology to optimize absorption which grows stronger root systems, abundant produce, and richer foliage. Nutri-Kelp's beneficial nutrients combined with potassium creates a powerful formula that optimizes the correct pH level, protecting your plants and soil from the harmful exposure of heat and chemical extraction, and drought stress. Nutri-Kelp is ideal for any cool or warm season grass, plant beds and pots, trees, gardens and more.

APPLICATION	RATE	FREQUENCY
Tees & Greens	Spray 2-7 ounces per 1,000 SF	Apply every 7-14 days
Fairways & Roughs	Spray 2-7 ounces per 1,000 SF	Apply monthly
Sports Turf	Spray 2-7 ounces per 1,000 SF	Apply monthly
New Sod	Spray the ground with 2-7 ounces per 1,000 SF before laying sod	Apply prior to installation
Lawn Care (Cool & Warm Season Grasses)	Spray 2-7 ounces per 1,000 SF	Apply every 4-6 weeks during the growing season
Plants, Flowers, and Shrubs	Drench - Dilute 1 ounce with 50-100 ounces of water. Foliar - 1 ounce with 100 ounces of water.	Apply monthly
Trees	1-4 ounces per caliper inch.	Apply at installations and 1-4 times per year
Hemp & Cannabis	Drench - Dilute 1 ounce with 50-100 ounces of water. Foliar - 1 ounce with 100 ounces of water.	Apply as needed or consult your Mirimichi Green representative

KEY PRODUCT BENEFITS

- Protects plants from harmful exposure to heat or chemical extraction.
- Humic, Amino Acids, Enzymes, and Aminated compounds, enrich biology growth and soil health
- Antioxidants help fight plant stress
- Improves drought tolerance in plants

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GUARANTEED ANALYSIS:

 Total Nitrogen (N)
 1%

 0.25 % Ammoniacal Nitrogen
 1.25 % Nitrate Nitrogen

 0.50 % Urea Nitrogen
 1%

 Available Phosphate (P₂0₅)
 1%

 Soluble Potash (K₂O)
 4%

Derived From: Urea, ammonium phosphate, potassium nitrate and potassium phosphate.

AVAILABLE SIZES AND PART NUMBERS:

32 ounces - 301032OZ 2.5 gallons - 30102.5G 30 gallons - 301030G 250 gallons - 3010250G



NK-FLY-R6 (01.06.21)





TARGETED BIOSTIMULANT + FERTILIZER

Nano-sized nutrients specifically formulated to support soil biology and feed turf.

APPLY AS A FOLIAR FERTILIZER

Nutri-Turf is a powerful and effective biostimulant and fertilizer delivering nutrients to turf by absorption through roots and leaves. Nutri-Turf can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

3-2-3

Nutri-Turf is specifically formulated to help existing lawns and native grasses thrive. The liquid solution contains an ideal balance of NPK, elicitors, enzymes and NanoRelease™ Technology, so grass can immediately absorb the benefits through the leaves and root system. Spraying Nutri-Turf directly onto turfgrass delivers complete, targeted nutrition with minimal waste. This formula resists photochemical breakdown from the sun's rays and maintains a neutral charge, preventing unwanted reactions with other chemicals and burning. Nutri-Turf is the ideal maintenance liquid fertilizer for both cool-season and warm-season grasses whether it is lawns, athletic fields, schools, recreational fields, parks, golf courses, or roadsides.

APPLICATION	RATE	FREQUENCY
Tees & Greens	Spray 2-7 ounces per 1,000 SF	Apply every 7-14 days
Fairways & Roughs	Spray 2-7 ounces per 1,000 SF	Apply monthly
Sports Turf	Spray 2-7 ounces per 1,000 SF	Apply monthly
New Sod	Spray the ground with 2-7 ounces per 1,000 SF before laying sod	Apply prior to installation
Lawn Care (Cool & Warm Season Grasses)	Spray 2-7 ounces per 1,000 SF	Apply every 4-6 weeks during the growing season

KEY PRODUCT BENEFITS

- A proprietary formulated treatment for turf and native grasses
- Promotes rapid production of beneficial protozoa, fungi, and hyphae
- Contains microbial fermentation extracts that conditions 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

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GUARANTEED ANALYSIS: Total Nitrogen (N) 3%

1.80 % Nitrate Nitrogen 1.20 % Urea Nitrogen

Available Phosphate (P205)....... 2% Soluble Potash (K2O) 3% Iron (Fe) 0.2000% Manganese (Mn) 0.1000%

Zinc (Zn) 0.1000% Derived From: Ammonium phosphate,

AVAILABLE SIZES AND

alucoheptonate.

PART NUMBERS: 32 ounces - 30732OZ 2.5 gallons - 3072.5G 30 gallons - 30730G 250 gallons - 307250G



NT-FLY-R6 (01.06.21)





TARGETED BIOSTIMULANT + FERTILIZER

Nano-sized nutrients specifically formulated to support soil biology and feed ornamental trees, shrubs and flowers.

APPLY AS A FOLIAR FERTILIZER AND DRENCH

Nutri-Tree & Shrub is a powerful biostimulant and fertilizer delivering nutrients to ornamental trees, shrubs, and flowers by absorption through the roots and leaves.

Nutri-Tree & Shrub can be used alongside or mixed with other fertilizers, insecticides, fungicides, and herbicides. For best results, apply early in the morning or in the evening.

3-2-3

Nutri-Tree & Shrub is a liquid fertilizer and biostimulant specifically formulated to help trees and shrubs flourish. The liquid solution contains an ideal balance of NPK, elicitors, enzymes and NanoRelease™ Technology that plants need resulting in a stronger root system, abundant produce, and richer foliage. Each application is spoon feeding the plants and the benefits are immediately absorbed through roots and leaf structure with minimal waste. Nutri-Tree & Shrub resists photochemical breakdown from the sun's rays and maintains a neutral charge, preventing unwanted reactions with other chemicals.

Nutri-Tree & Shrub is ideal for nurseries, flower beds, gardens, trees, shrubs, new plantings, hemp & cannabis, or hydroponics.

KEY PRODUCT BENEFITS

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

APPLICATION	RATE	FREQUENCY	
Trees, Shrubs, & Flowers Hemp & Cannabis	Drench - Dilute 1 gallon with 50-100 gallons of of water. Drench 1 gallon per 1 inch diameter trunk with diluted solution.	Apply every 1-3 months Apply as needed or consult your Mirimichi Green representative	
	Foliar - Dilute 1 gallon with 100 gallon of water to cover leaves.		
Container Plants	Dilute 2.5-5 ounces per gallon of water.	Apply every 2-3 weeks	
Deep Root Injection	Inject 1 gallon per 1-inch diameter of trunk with dilute solution. 1:50-1:100 ratio (drench rate).	Apply 1-3 months	
Hydroponics	Dilute 5ml per gal of water or 17 ounces per 100 gallons of water.	Apply at every feed	

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PART NUMBERS: 32 ounces - 30832OZ 1 gallons - 3081G 30 gallons - 30830G 250 gallons - 308250G

potassium nitrate. **AVAILABLE SIZES and**

GUARANTEED ANALYSIS:

1.80 % Nitrate Nitrogen 1.20 % Urea Nitrogen



TS-FLY-R6 (01.06.21)

NATURAL PESTICIDES

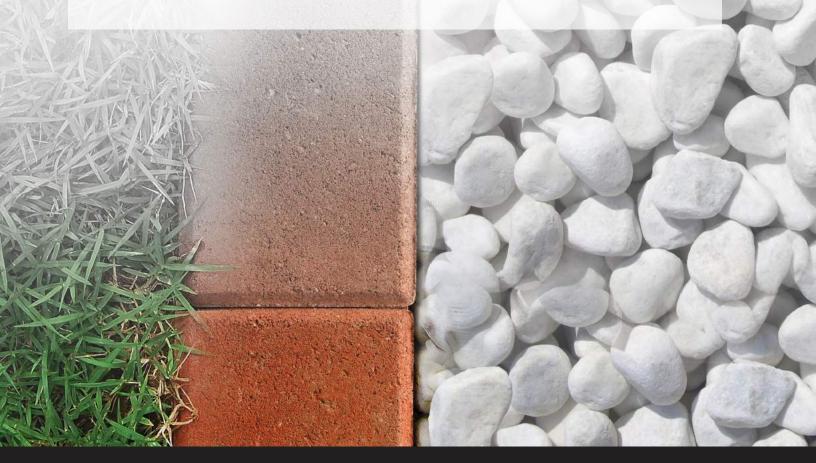
Mirimichi Green pesticides are labeled in cautionary yellow - after all, these products are designed to kill (naturally)!

Mirimichi Green Weed Control is a fast-acting, nonselective, organic herbicide that can be used for residential, commercial, and non-crop uses. It is a great natural alternative to traditional weed killer products.

Mirimichi Green Pest Control is a FIFRA 25(b) Exempt product made from all-natural ingredients with proven efficacy on mosquitoes, fleas, ants, roaches, no-see-ums, chiggers, spiders, mites, whitefly, aphids, plus many more insects.











Non-selective Herbicide

NATURAL HERBICIDE

Organic, effective weed and grass control.

FOR AGRICULTURAL USE

For contact spray control or burndown of weeds and grasses for ornamentals, turf, nurseries and greenhouses.

FOR COMMERCIAL USE

For contact spray control or burndown of weeds and grasses. For use in structural pest control of vegetation in pasture and rangeland. For use in parks, golf courses, greenhouses and commercial turf and grounds.

Mirimichi Green Weed Control is a fast-acting, nonselective, organic herbicide that can be used for residential, commercial, and non-crop uses. It is a great natural alternative to traditional weed killer products. Mirimichi Green Weed Control is ideal for controlling weeds in gardens, greenhouses, walkways, farmsteads, and flower beds or spot treating around ornamental trees, bushes, flowers, and landscaping beds. Mirimichi Green Weed Control is registered for public uses such as municipalities, sports fields, and golf courses. The product is known to be safe to use around people and pets when used as directed.

The formulation is available in an easy-mix concentrate and in a ready-to-use spray. The product does not require a surfactant and will start showing results after just 15 minutes. The powerful organic formula acts on contact and is rainfast in two hours after drying. Because **Mirimichi Green Weed Control** is rapidly broken down in the soil, there is no chance for environmental buildup or runoff into waterways and it will not leach through the soil to harm desirable plants. The EPA registered and OMRI Listed product is sure to control and burndown annual and perennial weeds and grasses.

KEY PRODUCT BENEFITS

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

New Look!

Same Great Products.

- Readily biodegradable
- For organic gardening

MIRIMICHI GREEN WEED CONTROL ACTIVE INGREDIENT:

Ammonium Nonanoate	40.0 wt.%
Other ingredients	60.0 wt.%
Total	100.0 wt.%
Mirimichi Green Weed Control co	ontains 3.3 lbs.
of ammonium nonanoate per U.S	S. gallon.

This product is protected by U.S. Patent No. 6,323,156 EPA Reg. No. 87663-3-90778 EPA Est. No. 72038-DE-1 EPA Reg. No. 87663-15-90778



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MIRIMICHI GREEN WEED & GRASS CONTROL ACTIVE INGREDIENT:

Ammonium Nonanoate..... 5.0 wt.% Other ingredients 95.0 wt.% Total...... 100.0 wt.%

Mirimichi Green Weed & Grass Control contains 0.42 lbs. of ammonium nonanoate per U.S. gallon.

OMRI LISTED For Organic Use

AVAILABLE SIZES AND PART NUMBERS:

32 ounces - 402032OZRTU 2.5 gallons - 40202.5G 30 gallons - 402030G 250 gallons - 4020250G



WC-FLY-R6 (01.06.21)





TARGETED PEST CONTROL

A formula that eradicates larvae and live insects with proven total control efficacy. Known to be safe for use around plants, pets and people when used as directed.

OUTDOOR SPRAY/TARGETED PESTS:

Mosquitoes

Ants

No-see-ums

Whiteflies

Fleas

Chinch bugs

Roaches

Ticks

Aphids

Mirimichi Green Pest Control is a FIFRA25(b) Exempt product made from all-natural ingredients with proven efficacy on mosquitoes, fleas, ants, roaches, no-see-ums, chiqgers, spiders, mites, whitefly, aphids, plus many more insects. It is an adulticide, pheromone interrupter, deterrent, repellent, and kills the larvae on contact interrupting future egg cycles. By killing the larvae, egg cycles are disrupted so future outbreaks of pests are eradicated in the treated areas over time. The carbon ingredient helps facilitate ground penetration and activates ingredients to implode the pest. Mirimichi Green Pest Control is known to be safe to spray around people, pets, and plants (when used as directed), with an immediate re-entry time after the spray has settled, making it ideal for any outdoor area. The proprietary formula has no offensive odor and provides protection from pests for 14-28 days.

Mirimichi Green Pest Control's effectiveness 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. Try using this safe pest control for: parks & recreation areas, campground sites, sports fields, golf courses, universities, outdoor venues, landscaping, gardens, and more.

KEY PRODUCT BENEFITS

- Made from organic, natural ingredients
- Product is not a neurotoxin
- OK to spray around people, pets and plants
- Kills pests and larvae on contact
- Bugs do not become immune to this product
- Immediate re-entry time after drying
- Rainfall does not affect the effectiveness

	BACKPACK OR PUMP SPRAYER	MIST BLOWER	SPRINKLER INJECTION PUMP	MISTING SYSTEM
Maintenance Rate	4-8 oz. per gallon of water	4-8 oz. per gallon of water	6-8 oz. per gallon of water	6-8 oz. per gallon of water
Infestation Rate	Up to 16 oz. per gallon water	Up to 16 oz. per gallon water	Up to 16 oz. per gallon water	Up to 16 oz. per gallon water
Coverage	1500-3000 SF	3500-7500 SF	Per system specs.	Per system specs.
Frequency	Apply every 2-4 weeks	Apply every 2-4 weeks	Apply every 2-4 weeks	Apply every 2-4 weeks

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

GUARANTEED ANALYSIS:

FIFRA 25b	Exempt

Active Ingredients	12.85%
Lemongrass Oil (8007-02-1)	2.45%
Geraniol (106-24-1)	2.85%
Sodium Lauryl Sulfate (151-21-3)	0.55%
Castor Oil (8001-79-4)	3.75%
Cedarwood Oil (8000-27-9)	3.25%
Inert Ingredients	87.15%
Soap, Water, 1-Monolaurin, Oleic Acid	d, Carbon
Total Ingredients	100%

AVAILABLE SIZES AND PART NUMBERS:

1 gallon - 50101G 2.5 gallons - 50102.5G 30 gallons - 501030G 55 gallons - 501055G

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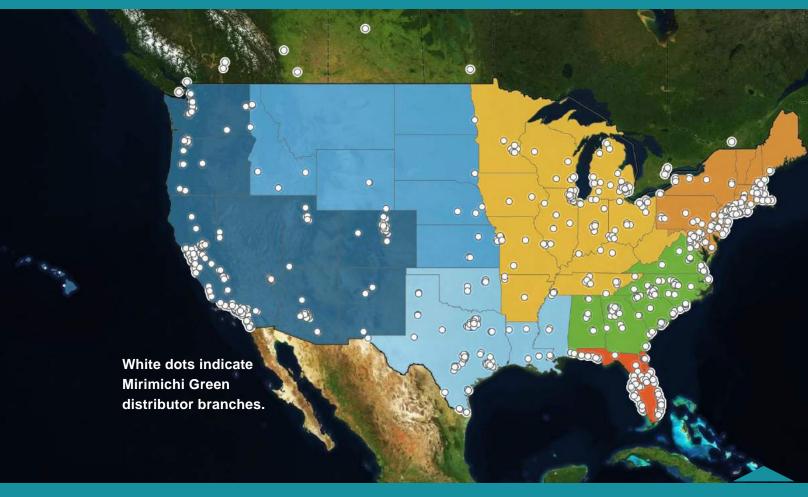


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WHERE TO FIND US IN THE STORE

Our products are proudly distributed by the nation's best professional landscape supply companies and are available coast-to-coast at over 800 branch locations.





To find the distributor nearest your jobsite, visit MirimichiGreen.com



IN THE FIELD

The following territory managers support both branches and end-users.

We invite you to contact your region's rep to discuss how Mirimichi Green can best support your projects and programs.

For example, in addition to branch inventory, we can often help drop ship larger orders directly to your jobsite and have it billed to your existing distributor account.

NORTHEAST

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ON THE INTERWEB

Can't find the information you're looking for? Let us know!

In addition to our on-demand resources, we staff MirimichiGreen.com with Live Chat to answer your product and application questions (M-F, 9-5 EST).

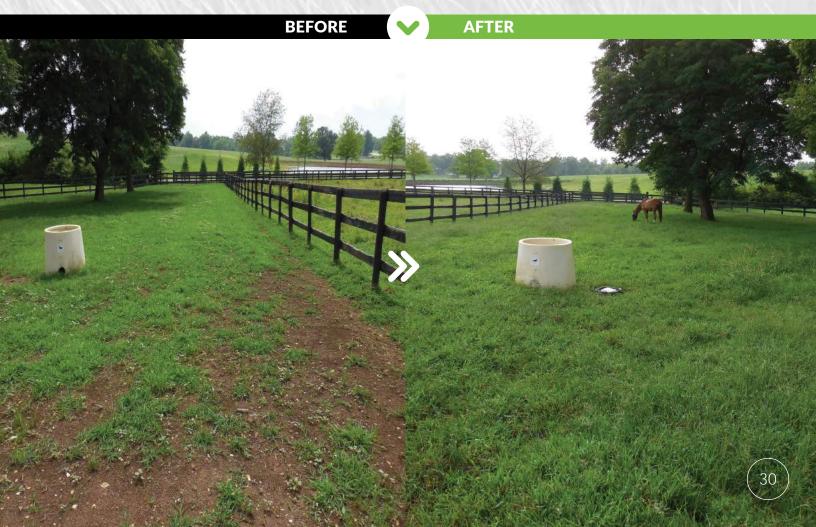


PHOTO PROOF

See the results others are having with Mirimichi Green®, and then experience Mirimichi for yourself.



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