CENTRAL
TURF AGRONOMY

PRODUCT CATALOG

Learn More:

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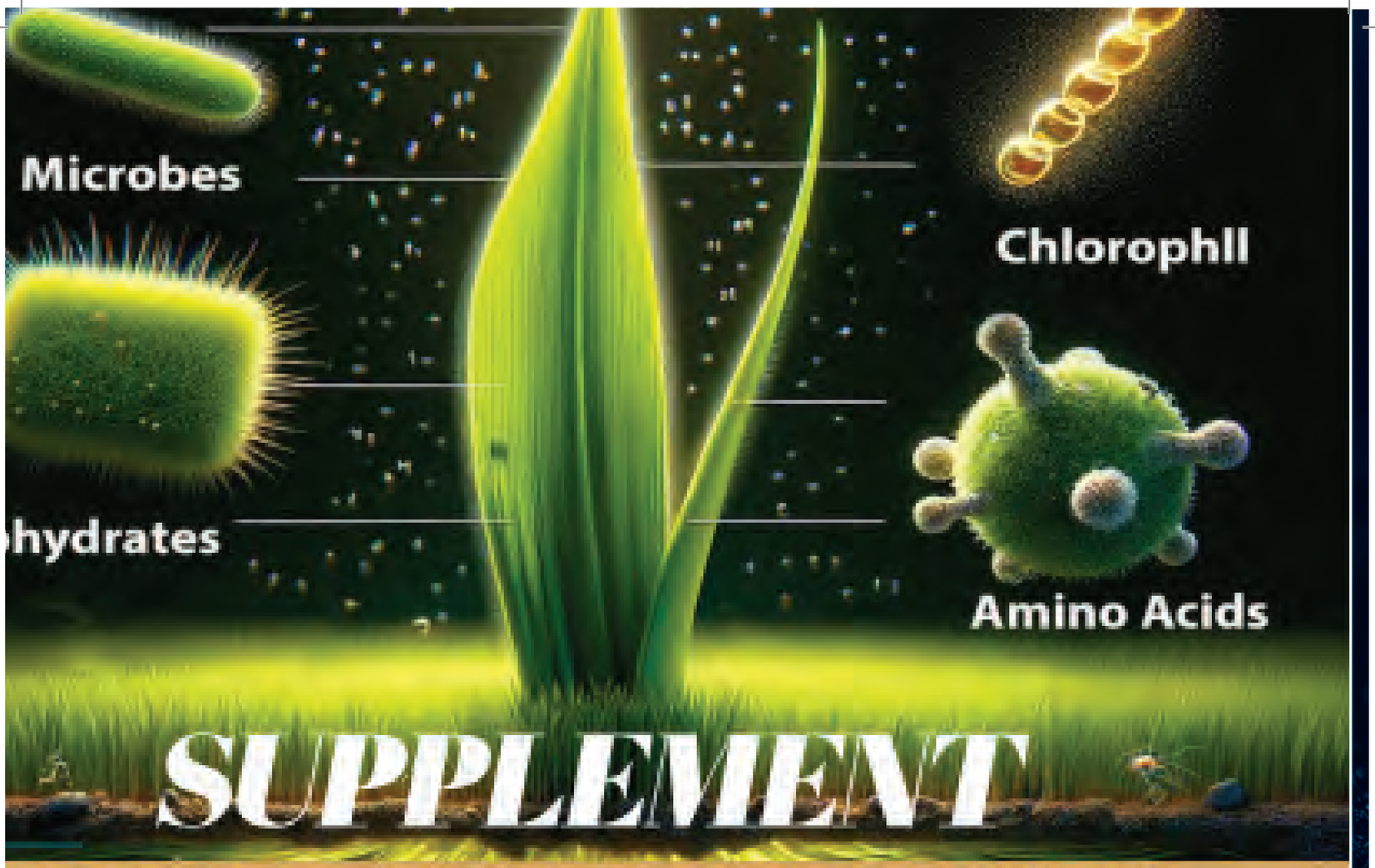


PHOTOSYNTHESIS

SAVE TIME AND MONEY WITH OUR COORDINATED BLEND OF PRODUCTS CREATED TO GIVE PROFESSIONAL APPLICATORS THE FLEXIBILITY TO CREATE THE BEST PROGRAM FOR SURFACES WITH LESS HASSLE AND WAIST.

SPRING AND SUMMER PROGRAMS

Professional Golf Courses

College & High School Fields

Recreational Surfaces

Commercial Landscaping

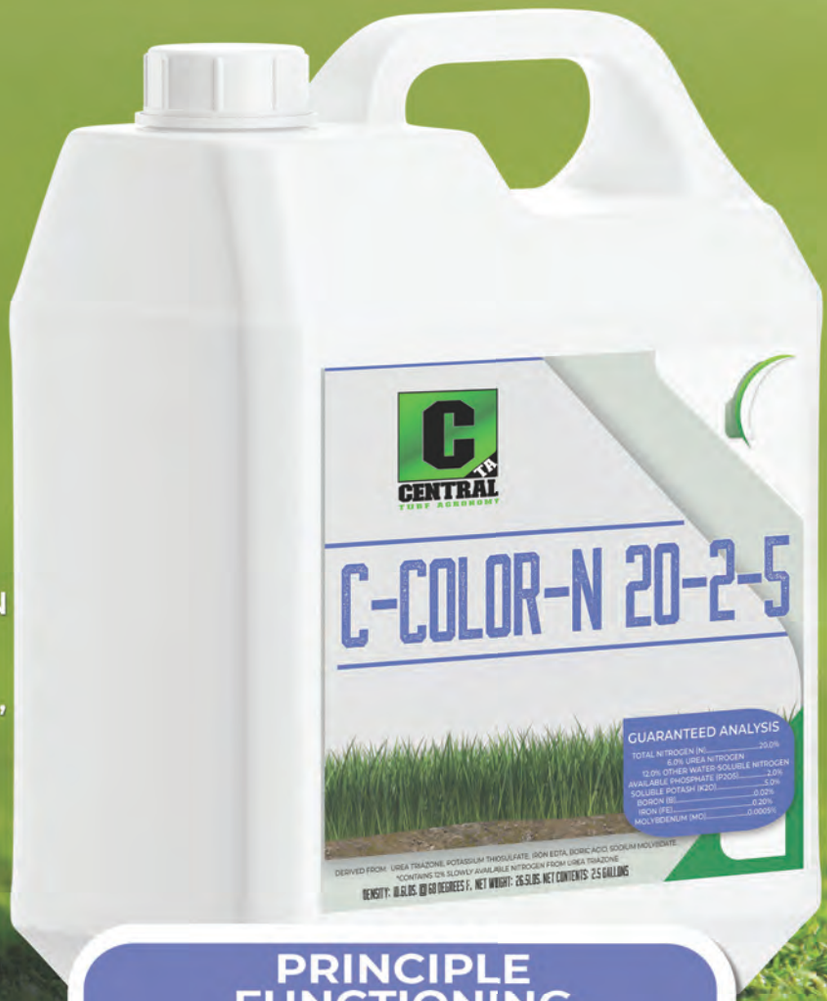
CENTRAL TURF AGRONOMY

www.clagronomy.com

FOR RESILIENT &VIBRANT COLOR.

COLOR ENHANCER

- MICRONUTRIENT ENHANCED NITROGEN FORMULATION FOR SUPERIOR COLOR
- RECOVER FROM TRAFFIC, MECHANICAL, AND PLAYER WEAR
- 60% SLOW RELEASE TO AVOID GROWTH SURGES



C-COLOR-N

C-Color-N is a micronutrient-enhanced nitrogen formulation designed to deliver superior color and resilience. This advanced blend helps turf recover quickly from traffic, mechanical, and player wear, ensuring a lush and vibrant appearance. With 60% slow-release nitrogen, Our product avoids growth surges, promoting consistent and healthy growth for optimal turf performance.

PRINCIPLE FUNCTIONING AGENTS

Total Nitrogen (N).....20.0%
6.0% Urea nitrogen
12.0% other water-soluble nitrogen
Available Phosphate (P2O5).....2.0%
Soluble Potash (K2O).....5.0%
Boron (B).....0.02%
Iron (Fe).....0.20%
Molybdenum (Mo).....0.0005%
Derived from: urea triazone, potassium thiosulfate, iron edta, boric acid, sodium molybdate.
*Contains 12% slowly available nitrogen from urea triazone

APPLICATION AND RATES

TURFGRASS

Apply 1.5 – 9.0 ouncer per 1000 square feet in sufficient water for coverage.

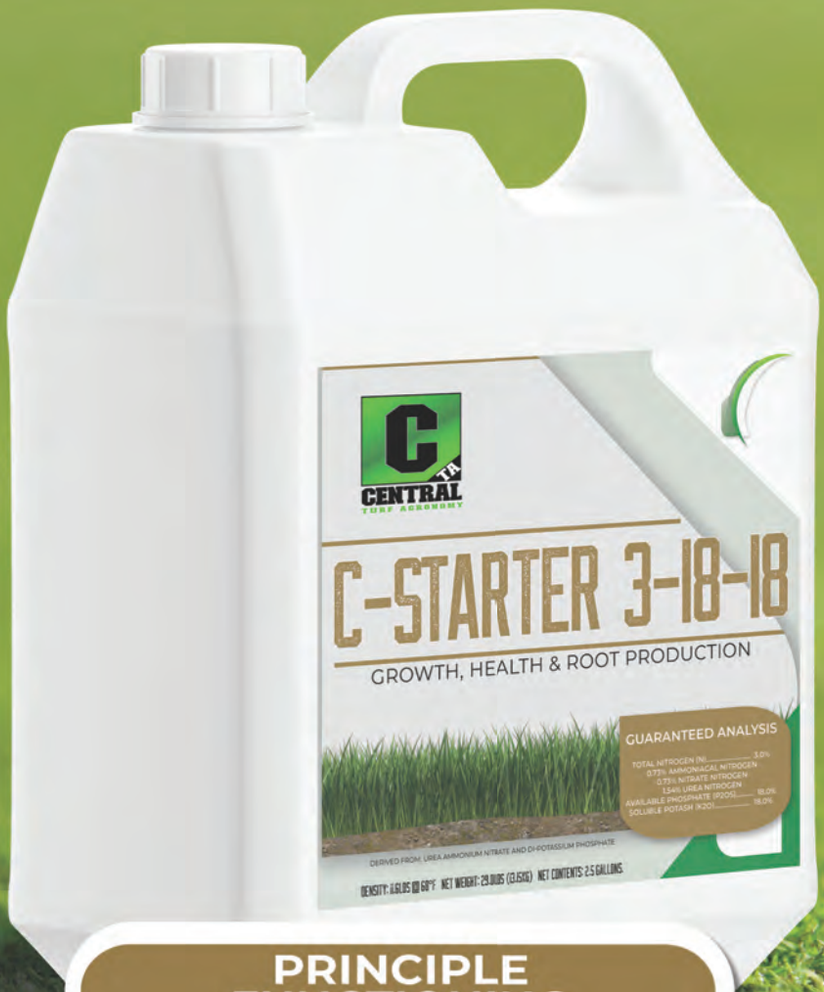
CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

HIGHLY SOLUBLE P&K.

- INITIATE ROOTING WITH HIGHLY SOLUBLE PHOSPHATE

- PARTICULARLY BENEFICIAL UNDER COOL SOIL TEMPERATURES

- AIDS IN CELLULAR DIVISION / STRENGTH WITH HIGHLY SOLUBLE POTASSIUM



C-STARTER

C-Starter 3-18-18 is a high availability foliar nutrient formulation of N-P-K with a low salt index. Designed to supplement standard fertility programs and rapidly correct or prevent nutritional deficiencies. C-Starter 3-18-18 increases plant growth, health, and root production. THE PHOSPHATE IN C-Starter 3-18-18 IS ALL IN THE PLANT-AVAILABLE ORTHO PHOSPHATE FORM ALLOWING FOR RAPID UPTAKE AND UTILIZATION. This distinctive formulation enhances nutrient availability and allows for enhanced tank mix compatibility in hard water situations.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

PRINCIPLE FUNCTIONING AGENTS

Total Nitrogen (N)..... 3.0%
0.73% Ammoniacal nitrogen
0.73% Nitrate nitrogen
1.54% Urea nitrogen
Available Phosphate (P2O5)..... 18.0%
Soluble Potash (K2O)..... 18.0%

Derived from: urea ammonium nitrate and di-potassium phosphate.

APPLICATION AND RATES

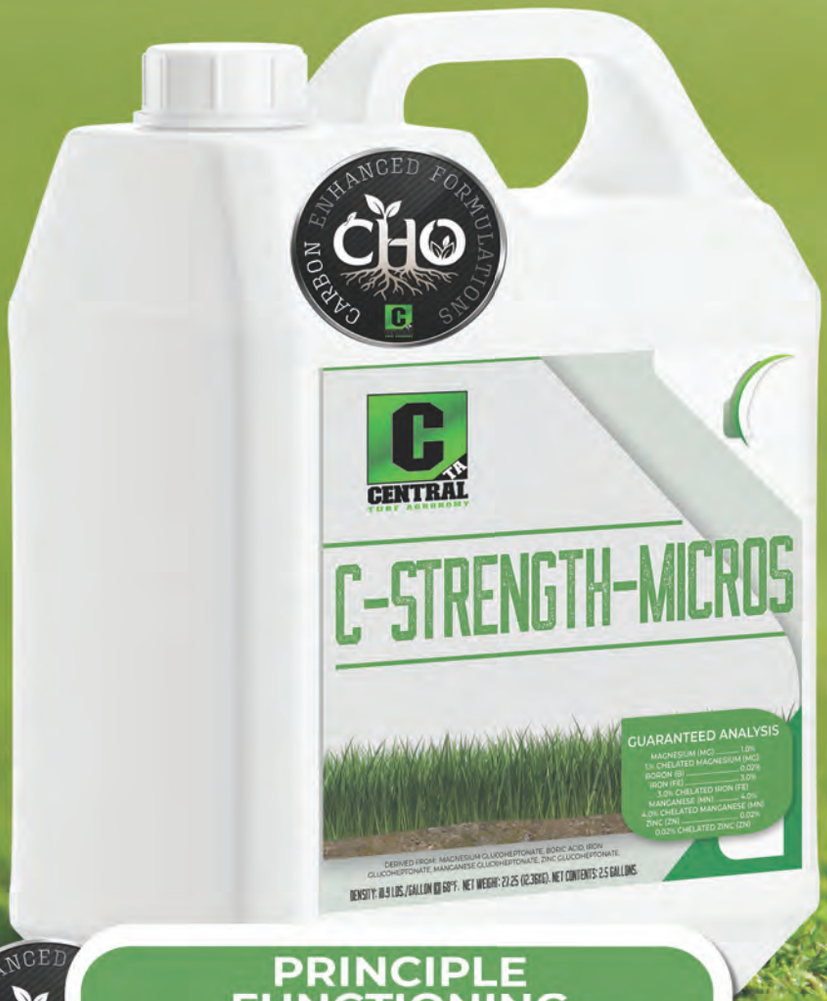
TURFGRASS AND SOD:

Apply 1.5 – 9.0 ouncer per 1000 square feet in sufficient water for coverage.

SUGAR BASED MICROS.

CELLULAR STRENGTH, COLOR, AND STRESS MITIGATION.

- SUGAR BASED (GLUCOHEPTONATE) MICROS FOR RAPID FOLIAR ABSORPTION
- EXCELLENT CHLOROPHYLL PRODUCTION TO MAXIMIZE PHOTOSYNTHESIS (ROOTING)
- MAINTAIN DARK GREEN COLOR WITHOUT EXCESSIVE TOP GROWTH



C-STRENGTH

C-Strength-Micros is a liquid formulation of glucoheptonated (sugar-based) micronutrients commonly found to be low or deficient in turfgrass.

C-Strength-Micros is formulated to deliver maximum nutrient absorption to prevent and cure micronutrient deficiencies and maximize color, photosynthetic activity and plant strength.

PRINCIPLE FUNCTIONING AGENTS

Magnesium (Mg) 1.0%
1% Chelated magnesium (Mg)
Boron (B) 0.02%
Iron (Fe) 3.0%
3.0% Chelated iron (Fe)
Manganese (Mn) 4.0%
4.0% Chelated manganese (Mn)
Zinc (Zn) 0.02%
0.02% Chelated zinc (Zn)

Derived from: Magnesium glucoheptonate, boric acid, iron glucoheptonate, manganese glucoheptonate, zinc glucoheptonate.

APPLICATION AND RATES

TURF GRASS

Apply 3 to 6 ounces per 1000 square feet as needed for maintenance. For deficiencies apply 8 to 12 ounces per 1000 sq. feet.

Applications can be made every 7 to 14 days as needed for desired results.

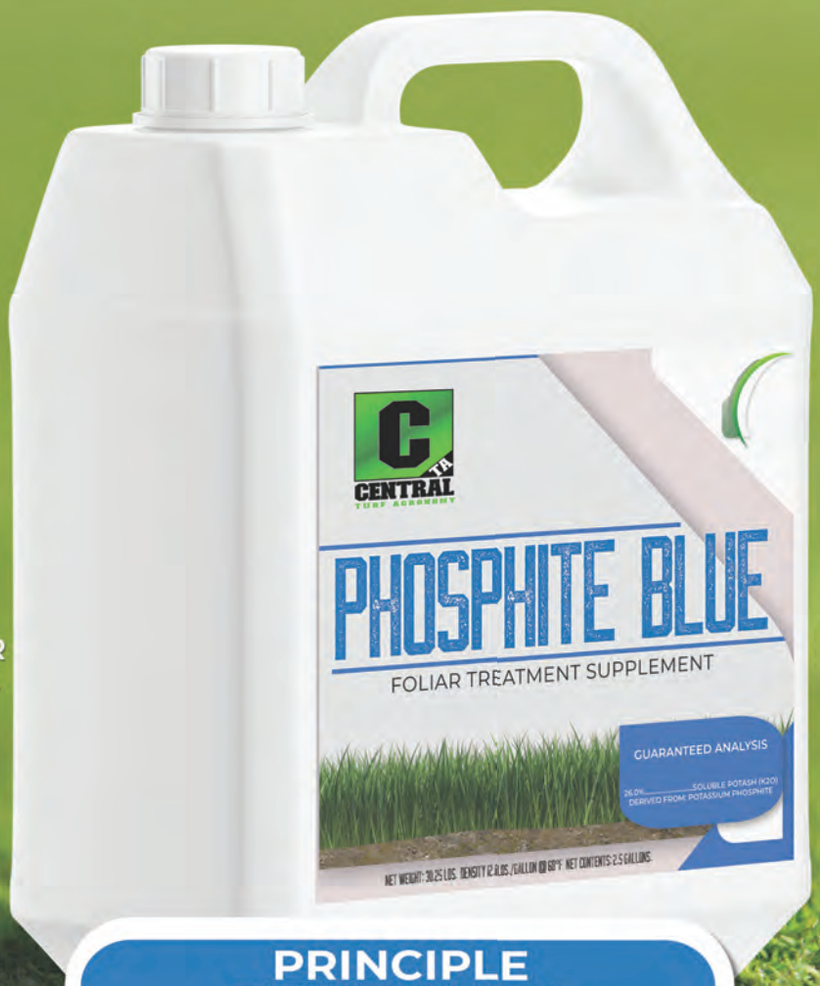
CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

BOOST STRESS TOLERANCE.

- WITHSTAND HEAT, DROUGHT, AND OTHER STRESSORS WHEN APPLIED DURING VULNERABLE PERIODS.

- FOLIAR OR ROOT UPTAKE ENSURES FASTER RESULTS AND OPTIMAL NUTRIENT DELIVERY.

- AIDS IN CELLULAR DIVISION / STRENGTH WITH HIGHLY SOLUBLE POTASSIUM



PHOSPHITE BLUE

Phosphite Blue is a highly concentrated, phosphite-based nutrient solution formulated for foliar use in turfgrass. Its unique blend of mono and di-potassium salts of phosphorous acid is rapidly absorbed through leaves or roots, swiftly correcting nutrient deficiencies while strengthening root systems and foliage. With 26% soluble potash (K2O) Phospite Blue not only provides the essential potassium needed for robust growth and vigor but also helps plants withstand stress conditions—delivering lush, vibrant turf all season long.

PRINCIPLE FUNCTIONING AGENTS

26.0%.....SOLUBLE POTASH (K2O)
DERIVED FROM: POTASSIUM PHOSPHITE

APPLICATION AND RATES

TURFGRASS

Cool Season - Apply 1.5 to 6 ounces per 1000 square feet and repeat every 7-14 days during times of stress.

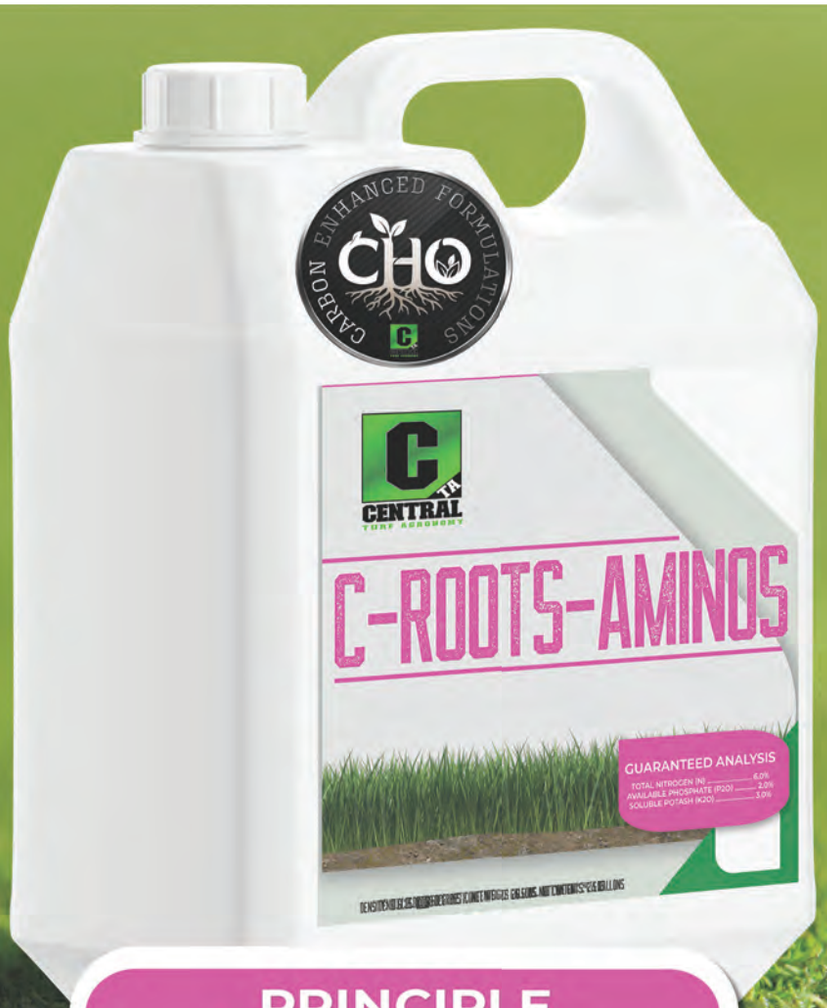
Warm Season - Apply 3 to 8 ounces per 1000 square feet and repeat every 7-14 days during times of stress.

Fairways, Sports Turf, Sod & Lawns – Apply 1.5 to 6 ounces per 1000 sqft in a minimum of 50 gallons of water per acre to ensure proper coverage and repeat every 14-21 days during times of stress.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

DRIVE ROOTS.

- Enhance Photosynthesis and glucose production (Roots)
- Build Deeper Roots in Spring and Fall
- Maintain Roots in Summer
- Mitigate all forms of Stress



C-ROOTS-AMINOS

C-Roots-Aminos is a 6-2-3 a supplemental fertilizer enhanced with secondary metabolites and a proprietary bio stimulant package. C-Roots-Aminos 6-2-3 is designed to enhance stress resistance, and to increase and maintain roots in turfgrass.

PRINCIPLE FUNCTIONING AGENTS

Total Nitrogen (N) 6.0%
Available Phosphate (P2O) 2.0%
Soluble Potash (K2O) 3.0%

APPLICATION AND RATES

Turfgrass:

Initial application:
Apply as a foliar spray at 6.0-9.0 ounces per 1000 square feet.

Maintenance applications:
Apply as a foliar spray at 3.0-6.0 ounces per 1000 square feet every 10-14 days.

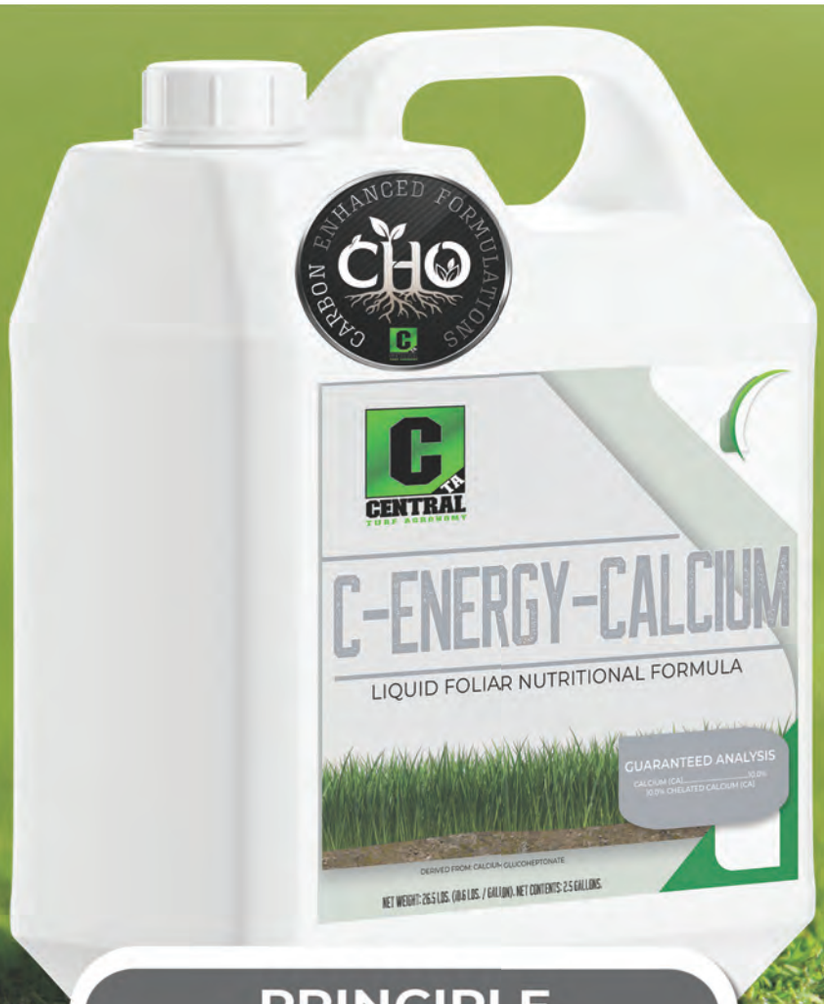
Soil applications:
Apply as a soil spray at 9.0-12.0 ounces per 1000 square feet every 15-30 days.

C-ROOTS-AMINOS 6-2-3 may be tank mixed with other commonly used inputs. If unfamiliar with a new tank mix, do a jar test for compatibility and apply to a small area to determine the effect on turf quality.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

BUILD CELL WALLS AND LOWER HEAT STRESS.

- Lower Respiration Stress
- Initiate Rooting in Spring and Fall
- Maintain Roots in Summer
- Build Thick Cell Walls
- Increase Wear Tolerance



C-ENERGY-CALCIUM

C-Energy-Calcium is a plant available liquid foliar nutritional formulation designed to correct or prevent deficiencies of calcium in turfgrass and ornamentals. C-Energy-Calcium is dual complexed and engineered for maximum tank mix compatibility and plant absorption. C-Energy-Calcium is especially beneficial during periods of rapid growth and Heat-Stress.

PRINCIPLE FUNCTIONING AGENTS

Calcium (Ca).....10.0%
10.0% Chelated Calcium (Ca)

Derived from: Calcium gluccheptonate.

APPLICATION AND RATES

TURF GRASS
(including ferns, hibiscus, caladiums, ligustrum, roses, etc.):
Apply 2 to 4 quarts in 100 gallons of water as a spray for thorough coverage. Repeat as needed.

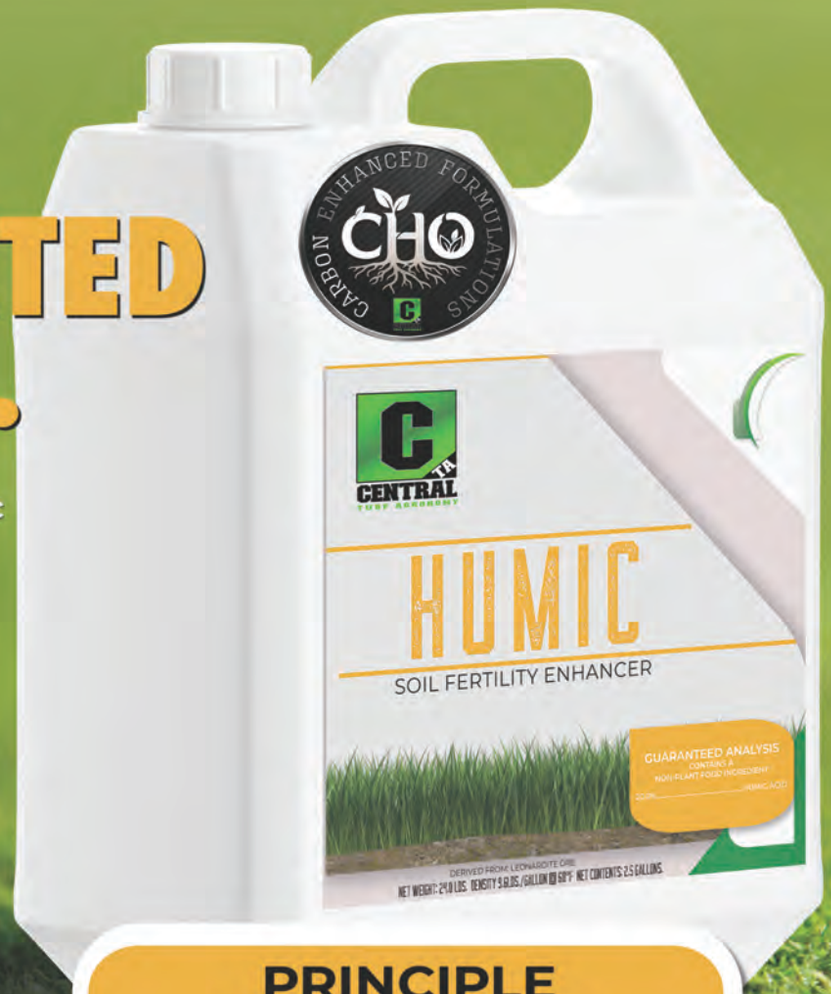
TURFGRASS/SOD
(Including warm and cool Season Grasses):

GREENS AND TEES
Apply 3 to 8 ounces per 1000 square feet, in enough water for thorough coverage.
FAIRWAYS - Apply 1.5-8.0 ounces per 1000 square feet, in sufficient water for coverage.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

HIGHLY CONCENTRATED CARBON.

- Feed Microbes with High Carbon Humic and Fulvic Acids
- Increase Beneficial Microbial Activity
- Improve Soil Nutrient Availability and Cycling
- Improve Oxygen Evolution to Improve Photosynthesis
- Increase Nutrient Holding Capacity in Sandy Soils
- Increase Pore Space in Native/Clay Soils



HUMIC

Humic is useful on all soil types, giving added nutrient holding capacity in sandy soils, and opening pore space in heavy / clay soils, due to the strong negative electrical charge associated with Humic acids. The high carbon content in Humic is also extremely beneficial in feeding microbes, which further aids in nutrient cycling and oxygen production for increasing photosynthetic activity.

PRINCIPLE FUNCTIONING AGENTS

CONTAINS A NON-PLANT FOOD INGREDIENT

20.0%.....Humic Acid

Derived from: Leonardite Ore.

APPLICATION AND RATES

TURF GRASS

FOLIAR APPLICATION - Mix 0.74-2.2 ounces per 1000 square feet in spray solution with other nutrients to aid assimilation and apply in sufficient water for thorough coverage.

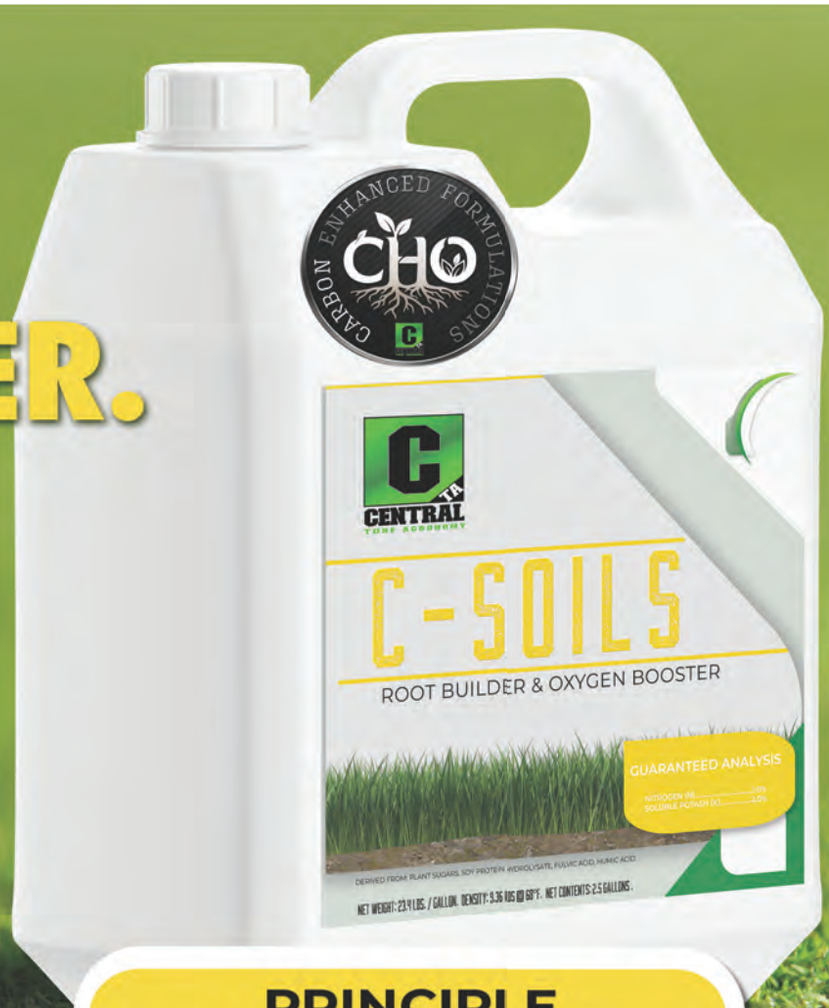
SOIL APPLICATIONS – Mix at a rate of 1 part Humic to 100 parts water or 200 parts fertilizer and inject through irrigation system at a rate of 64-192 ounces per treated acre or apply in a band under canopy. Apply recommended rate prior to or at planting and again 5 weeks later to reduce stress and increase plant establishment. Maintenance applications may be made routinely to enhance soil fertility.

TURF GRASS - Apply 1.5 to 3.0 ounces per 1,000 square feet monthly. Water in for best results.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

TOTAL SOIL CONDITIONER.

- Enhance Microbial Proliferation
- Increase Nutrient Cycling / Availability
- Increase Oxygen Evolution for Photosynthesis
- Build Stronger Roots



C-SOILS

C-Soils-1-0-2 is enhanced with Amino Acids. Bio-Synergy containing carbon, plant sugars, fulvic, Humic acid, and silica.

This formula not only nourishes the turf but also improves soil health, ensuring a lush, durable, and visually appealing surface for optimal performance.

PRINCIPLE FUNCTIONING AGENTS

Nitrogen (N).....1.0%
Soluble Potash (K).....2.0%

Derived from: Plant Sugars, Soy Protein Hydrolysate, Fulvic acid, Humic acid.

APPLICATION AND RATES

TURF GRASS

TURFGRASS/SOD
(Warm and Cool season):

Apply 3.0-6.0 ounces per 1000 square feet with sufficient water for coverage every 14-28 days.

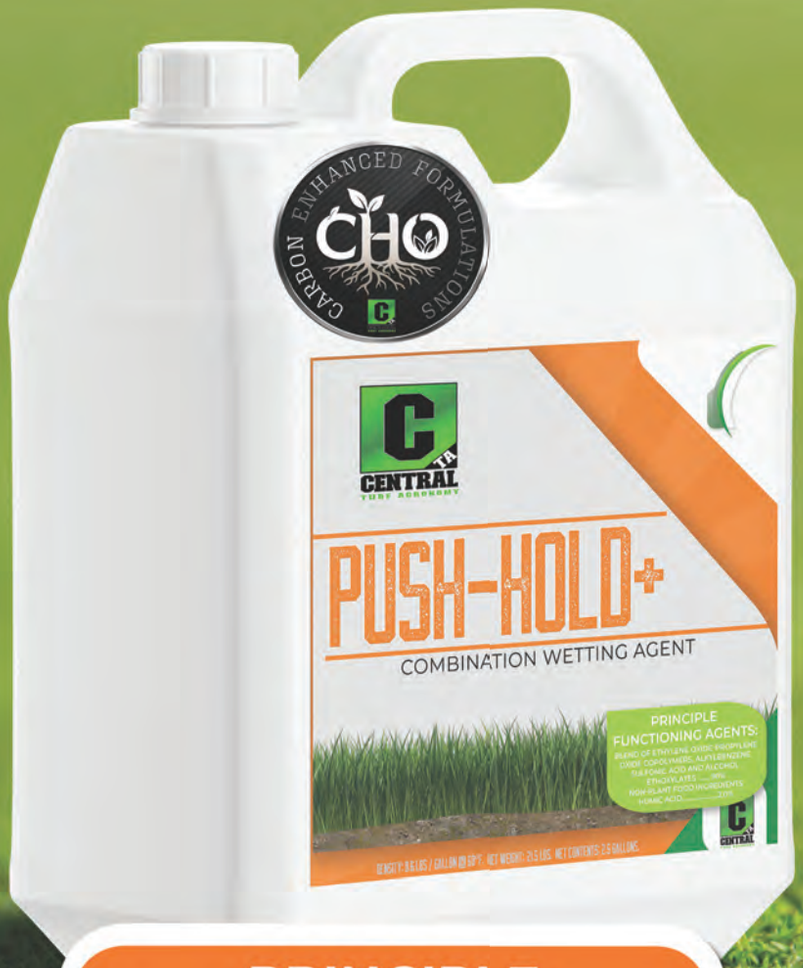
CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

YOUR BEST SECRET AGENT.

COMBINATION WETTING AGENT

- Combination Wetting Agent to 'Push' the 'Holding' Surfactants Deeper into the Soil Profile

- Humic Acid Addition for Added Value
  - Feed Microbes Carbon
  - Add Holding Capacity to Sandy Soils
  - Open Pore Space in Clay/Native Soils
  - Increase Nutrient Availability and Cycling
  - Increase Oxygen Evolution for Improved Photosynthesis



PUSH-HOLD+

Push-Hold+ is a 1/3 Penetrant, 2/3 Retention wetting agent to manage soil moisture and reduce LDS. The multi-chemistry design helps mitigate hydrophobic soils, ensure uniform hydration characteristics, and facilitate rapid rewetting. Push-Hold+ is designed for superior soil moisture management and should be used on a consistent basis for best results. Push-Hold+ Is safe for application on all turf types, including highly maintained golf greens. IMMEDATE WATERING IN IS NOT NECESSARY.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

PRINCIPLE FUNCTIONING AGENTS

Blend of ethylene oxide-propylene oxide copolymers, alkylbenzene sulfonic acid and alcohol ethoxylates 90%
Humic Acid.....2.0%

APPLICATION AND RATES

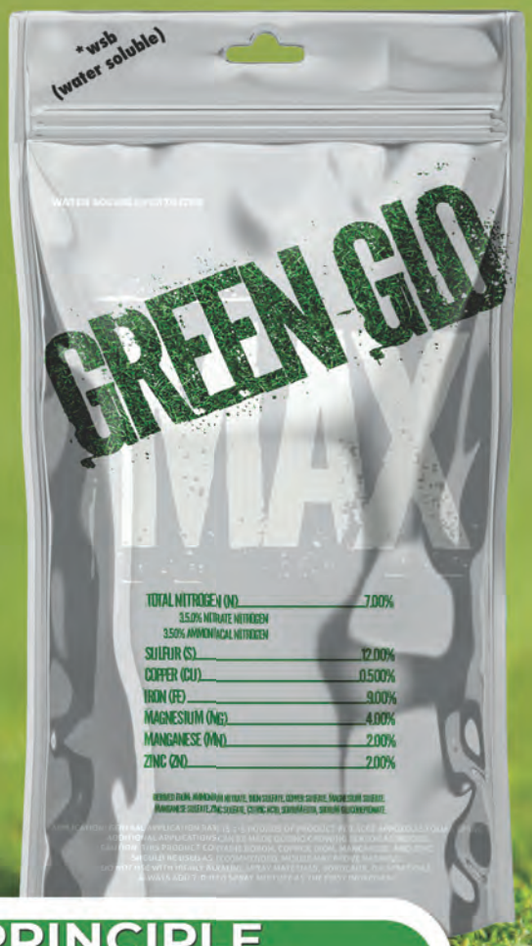
TURFGRASS

Apply 6.0 ounces per 1000 square feet in 2 gallons of water. Reapply 3.0-6.0 ounces per 1000 sq. ft every 30 days if symptoms prevail. Irrigation should be applied before next mowing, so not to remove any material. Bi-Weekly applications at 1.5-3.0 ounces per 1000 square feet. Immediate watering-in is not necessary.

CENTRAL TA
TURF AGRONOMY

ELEVATE YOUR TURF TO THE NEXT LEVEL.

- Boosted Chlorophyll Production:
- Enhanced Root Health:
- Improved Resource Utilization:
- Superior Turf Performance:



GREEN GLO MAX

Designed to boost chlorophyll production, it delivers a richer, more vibrant green. Enhanced root health ensures stronger, more resilient turf, while improved resource utilization means your turf thrives with less water and nutrients—saving you money and supporting sustainability. Perfect for high-traffic areas like golf courses and sports fields, it guarantees superior durability and visual appeal.

PRINCIPLE FUNCTIONING AGENTS

Total Nitrogen (N)	7.00%
3.5.0% Nitrate Nitrogen	
3.50% Ammoniacal Nitrogen	
Sulfur (S)	12.00%
Copper (Cu)	0.500%
Iron (Fe)	9.00%
Magnesium (Mg)	4.00%
Manganese (Mn)	2.00%
Zinc (Zn)	2.00%

APPLICATION AND RATES

APPLICATION:

General application rate is 2-5 pounds of product per acre applied as foliar spray.
Additional applications can be made during growing season as needed.
CAUTION: This product contains Boron, Copper, Iron, Manganese, and Zinc.
Should be used as recommended. Misuse may prove harmful.
Do not use with highly alkaline spray materials, Bordeaux, or spray oils.
Always add 7-0-0 to spray mixture as the first ingredient.

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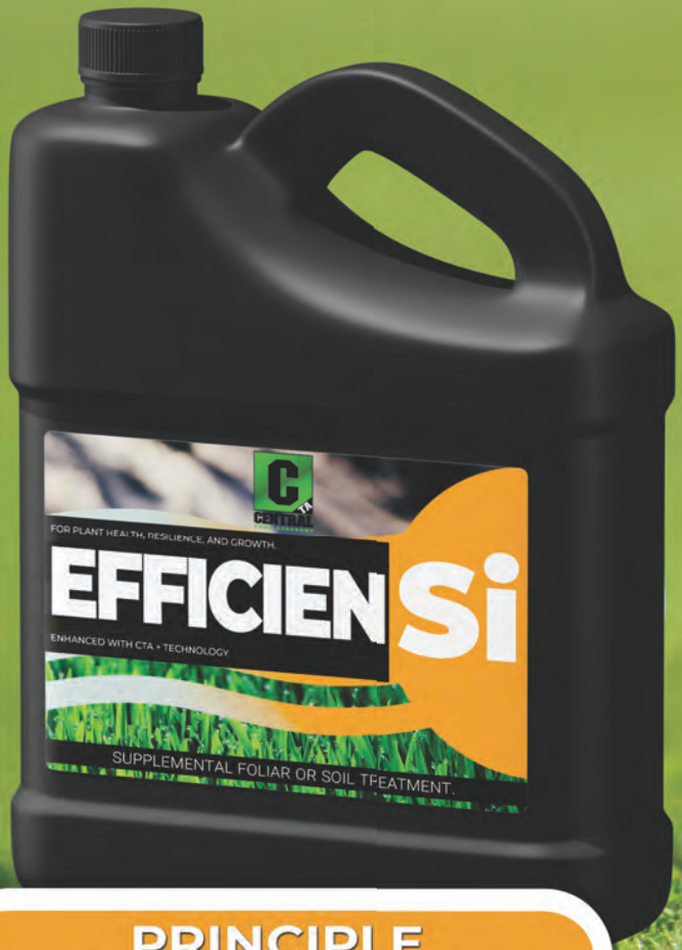
- Boosted Chlorophyll Production:
- Enhanced Root Health:
- Improved Resource Utilization:
- Superior Turf Performance:



EFFICIENSi

EfficienSi is a proprietary blend of uptake and mobility compounds designed to maximize nutrient absorption and boost plant health. Whether you're applying herbicides, fungicides, growth regulators, or nutrients, EfficienSi ensures more of what your plants need gets to where it matters most.

PRINCIPLE FUNCTIONING AGENTS

GUARANTEED ANALYSIS

NON-PLANT FOOD INGREDIENTS:

SILICA.....10%

ENHANCED WITH EFFICIENSI TECHNOLOGY

DERIVED FROM:
SILICA, PROTEINHYDROLYSATES, VEGETALEXTRACTS.

APPLICATION AND RATES

APPLY 4 OZ. - 8OZ./ACRE
IN MINIMUM OF 20 GALS OF WATER.

GREENS & TEES: 7–14 DAY INTERVALS

FAIRWAYS: 14-28 DAYS

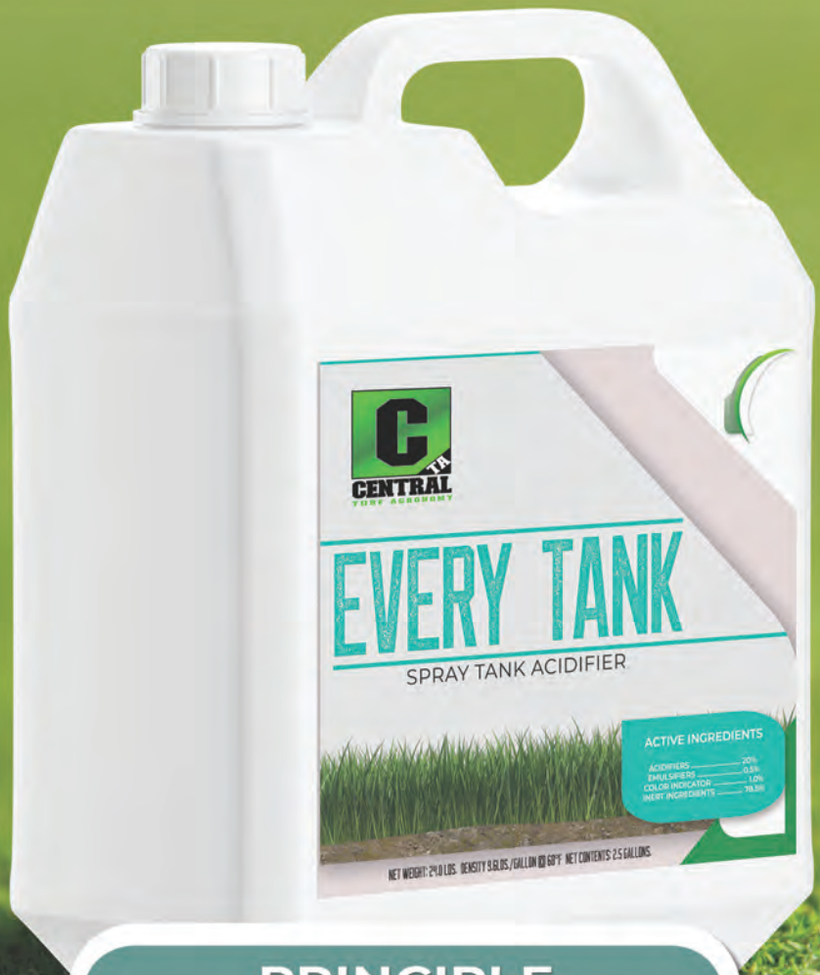
RESIDENTIAL LAWNS: 4-8 WEEKS

SPORTS TURF: 2- 4 WEEKS

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

SPRAY TANK ACIDIFIER.

- Increase Tank Mix Compatibility
- Lower Application Rates
- Lower Costs
- Less Chemicals into the Environment
- Improved Efficacy



EVERY TANK

Every Tank is a spray tank acidifier which corrects alkaline hydrolysis of pesticides, and fertilizers, neutralizes bicarbonates (hard water) in the spray tank solution. Every Tank makes all products in the spray tank more efficient, and often lower application rates of tank mix partners can be applied with greater results.

PRINCIPLE FUNCTIONING AGENTS

Acidifiers 20%
Emulsifiers 0.5%
Color indicator 1.0%
Inert Ingredients 78.5%

APPLICATION AND RATES

Add Every Tank into the spray tank prior to adding pesticides or fertilizers. Determine the pH of the spray tank from the chart below.

The typical rate for Every Tank is 4-8 ounces per 100 gallons of water which decreases water pH from 8.5 to 5.0 depending upon the water source.

WATER pH COLOR INDICATOR KEY
Pale yellow: pH = 7.0
Golden yellow: pH = 6.0 - 6.5
Red: pH = 4.5 - 5.0

**A jar test is always recommended to check the compatibility of unfamiliar or new combinations prior to mixing and applications. Mixing order is important; a change in the order of addition can affect product performance.

CONTACT
BRENT SMITH
P. 563-210-1616
CTAGRONOMY@GMAIL.COM
WWW.CTAGRONOMY.COM

AERATION RECOVERY PLAN

The Science:

The purpose of Aeration is to reduce thatch, increase gas (O2 / CO2 Cycling) exchange, and reduce compaction. Often heavier granular N applications are applied just prior or after to speed up recovery.

The Consequences

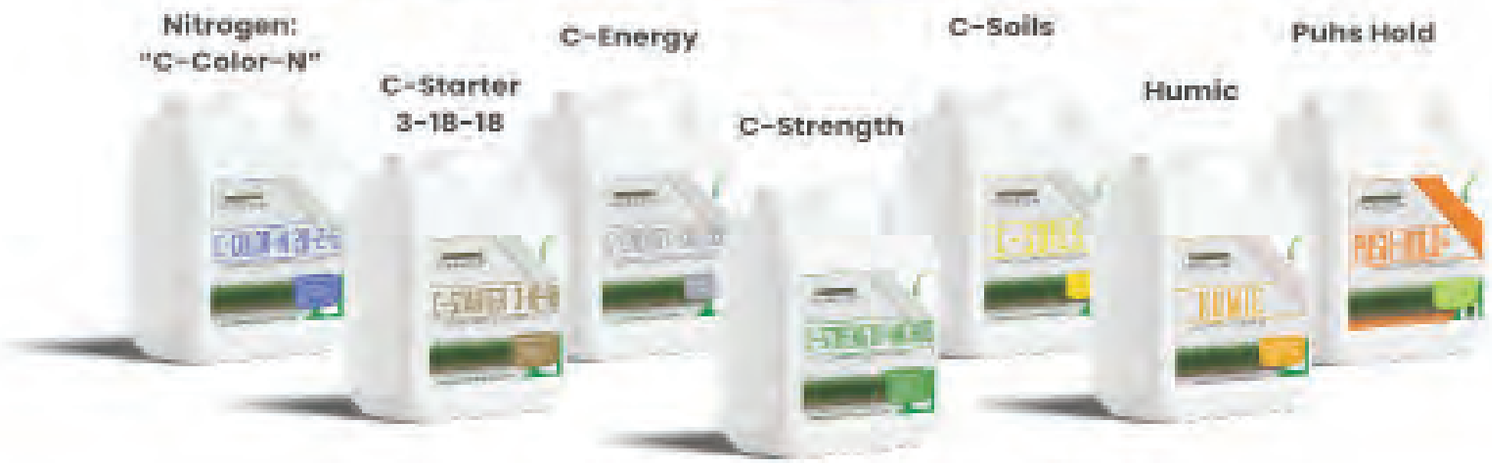
Surge growth caused by heavy N application, although will speed up recovery, it will also increase thatch production and reverse the intended purpose of the aeration to begin with. Also, the granular response will often last longer than intended for recovery and reduce ball speed on greens or require excessive mowing / succulence of the turf, opening up the turf for disease pressure and excessive wear and tear due to the aggressive cell elongation of the plant.

The Solution

FOLIAR application 1-3 days prior to aeration to 'load' the plant with a recovery package. You still get the benefit of quicker recovery, without the ongoing surge growth from typical granular applications.

SOIL application1-3 days prior to aeration to release tied up nutrients, increase biological aeration, and increase CO2 evolution for photosynthesis, along with proper moisture management.

Our Recommended Products



COLOR BUILDER PLAN

The Science:

Nitrogen and Iron are often the go to nutrients for color, when in fact, Mg, Mn, Zn, and Phosphorus are often the missing links for chlorophyll formation. Chlorophyll 's physical form is a central molecule of Mg, surrounded by 4-N molecules. The other micro-nutrients are what provide the 'energy' transfer to link up the core nutrients. Therefore, all the above nutrients are required for efficient color production.

The Consequences

Low color or off-color turf is sometimes considered desirable, particularly when firm and fast playing conditions are favorable. The downside is that poor color leads to poor carbohydrate production and can lead to limited root systems, opening the plant and playing surface to be substantially compromised to disease and drought stresses.

The Solution

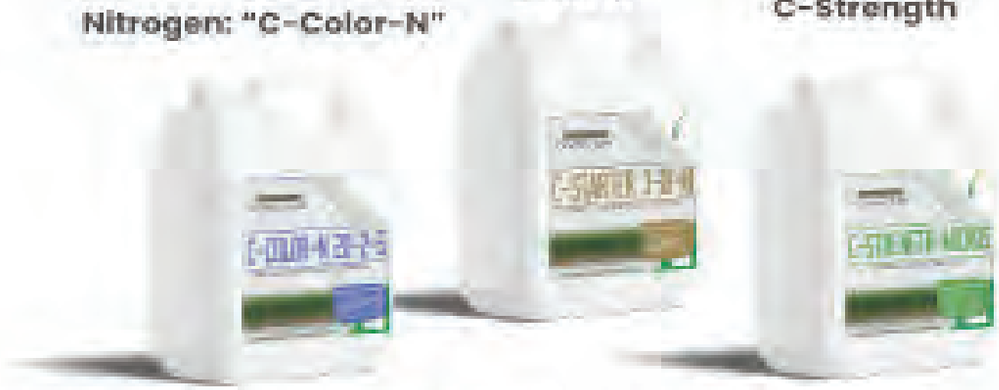
Regular applications of appropriate amounts of N and P, along with a balanced micronutrient package will keep color and carbohydrate production linear, while still being able to control firm and fast playing conditions.

Our Recommended Products

C-Starter
3-18-18

Nitrogen: "C-Color-N"

C-Strength



SPRING START-UP PLAN!

563-210-1616
CTAGRONOMY@GMAIL.COM

CENTRAL

The Science:

Cool Soil temperatures are not conducive to efficient soil / granular applications, due to lower microbial activity and other catalysts / conversions simply not working under low soil temperature.

The Consequences

Granular applications will not provide an immediate response, and often will provide TOO MUCH response when soil temperatures do reach / sustain above 60 degrees F. Also, runoff concerns / excessive leaching = wasted costs / environmental concerns.

The Solution

Foliar applications (1 or 2 applications 7-14 days apart) when soil temperatures are in the upper 50's in the top 2", usually in Late March / Early April. Save that spring granular for late April / May. Foliar Applications will bypass the cooler soil temperatures and give a consistent color and growth response.

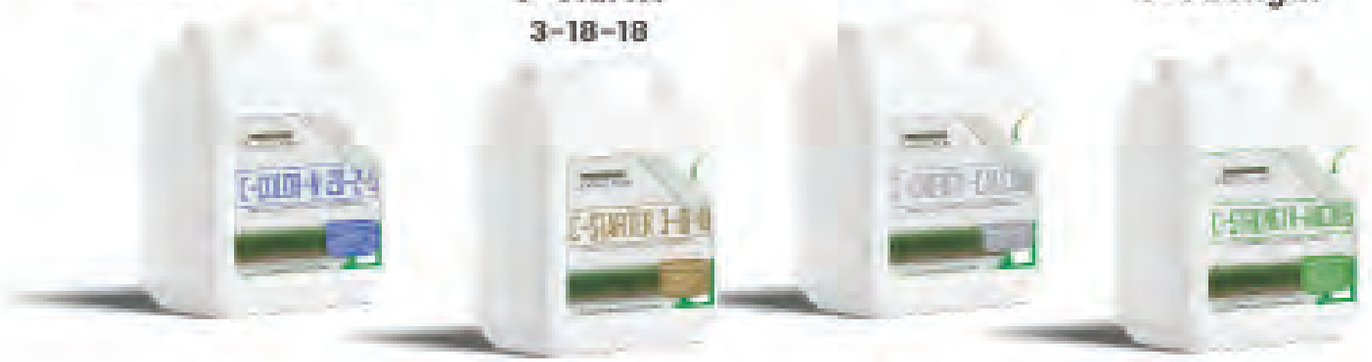
Our Recommended Products

Nitrogen: "C-Color-N"

C-Starter 3-18-18

C-Energy

C-Strength



Summer Stress Plan

The Science:

Root decline and disease pressure increase when Respiration outpaces Photosynthesis. The entire objective of all turf managers and fertility plans should include nutrient packages to reduce respiration and increase photosynthesis (which does not mean increase growth). Respiration burns carbohydrates (food) and photosynthesis make carbohydrates (food).

The Consequences

When the turf quality turns poor from root decline or disease, the likely culprit is that the turf has consumed more food than it is making. Not a simple answer or an easy fix, but below are the best solutions regarding nutrient applications to combat summer decline.

The Solution

Sugar (glucoheptonate) based raw materials / nutrients are the best choice for foliar fertilizer inputs as these are direct infusions of carbohydrates, acting like an I.V. for the turf, lowering the respiration rate of the turf. Good color will also maximize the plants own ability to make carbohydrates in photosynthesis. Potassium is required for the plant to control it's stomates, cool itself, and pull nutrients from the soil. Phosphites will aid in ATP production, the energy molecule, along with providing direct pathogen / disease protection on certain diseases, pythium blight in particular.

Our Recommended Products

Nitrogen: "C-Color-N"

C-Starter 3-18-18

C-Energy

C-Strength

C-Summer

www.ctagronomy.com

Note:

CONTACT US

Address:
215 E 2nd. Street
Dewitt, IA. 52742

E-mail/Web:
ctagronomy@gmail.com
www.ctagronomy.com

Phone:
563-210-1616