

Resource Guide

MAXIMIZE YOUR
PARTNERSHIP POINTS



Our Brands

People Powered. Solutions Driven.



The only sustainable competitive advantage any company will ever achieve will be based upon the character and caliber of its people. Good ideas come and go, but it's our people who provide the lasting value. We can't bring lasting value by just being the least expensive. We believe enduring value happens when our solutions grow our

customers' businesses and improve their operation. To that end, improving our environment has increasingly become a core focus of our company. Across the industry segments we serve—golf, landscape, ice melt—we are working hard to solve the challenges facing our customers with an eye on improving our water, our soil and our shared future.

Step into the future with SynaTek.

Exceeding our customers' expectations today demands that we always look ahead, developing the products and technologies that keep our partners healthy and profitable no matter what the future brings. Find out more at SynatekSolutions.com or contact us at 1-888-408-5433 or info@SynatekSolutions.com.



Our vision is to positively impact every business owner, employee and family in the environments they work, play and live by providing every day products that are safe, effective and environmentally focused and technologies that create operational efficiencies and maximize revenue.

SynaTek® | REACH



The distribution arm of SynaTek Solutions channels manufacturers' quality products to local businesses. Reach focuses on what your business needs, not checking boxes and sending invoices.

Branch Creek



Fueled by concern for our planet, Branch Creek is committed to creating earth-friendly alternatives to synthetics, designed to perform at the highest level and priced to fit growing efforts big and small.

Ecotronics® WHERE TURF MEETS TECHNOLOGY

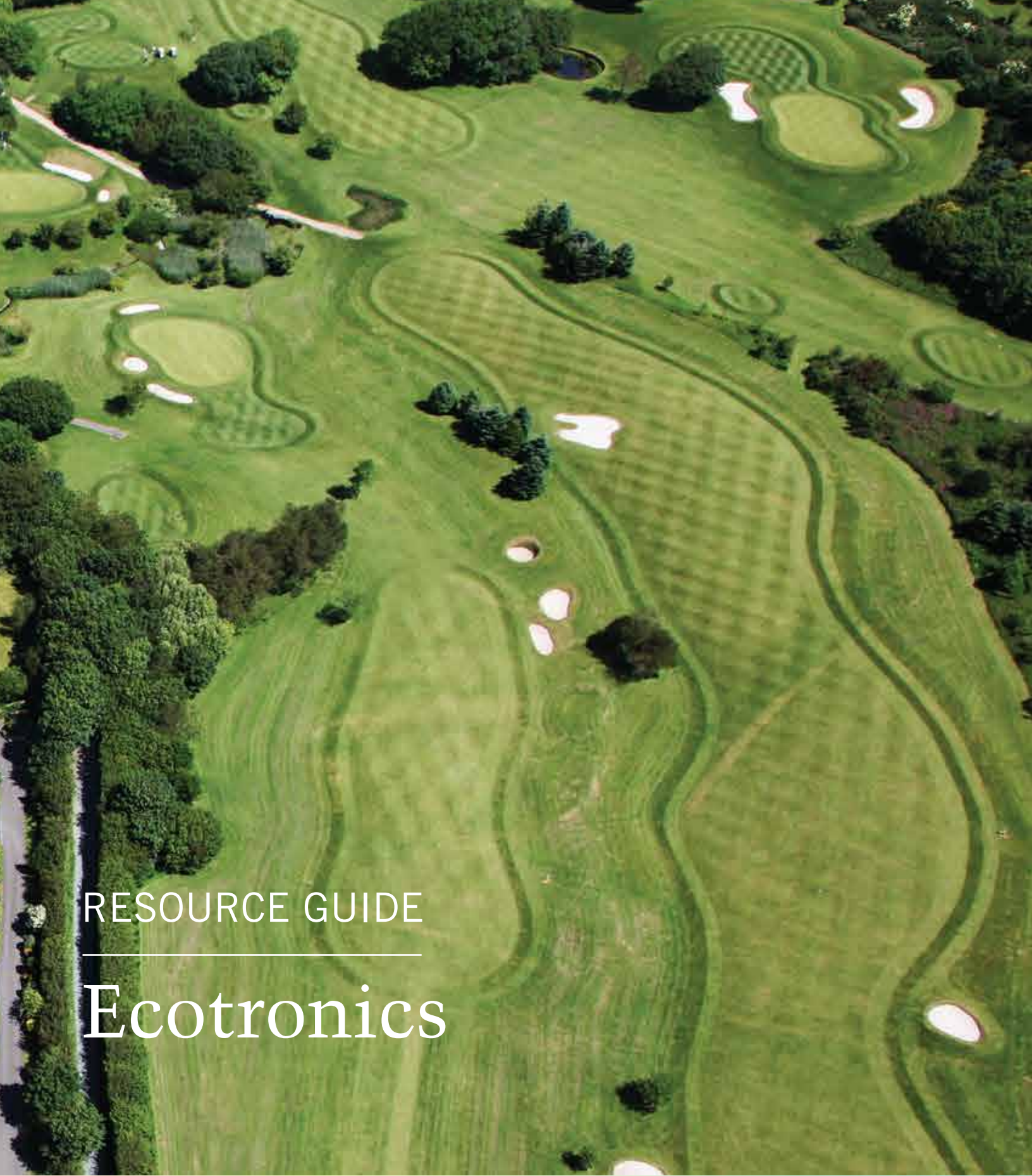


Our technology arm encompasses hardware—our injection control panel, mix transfer system and control panel—as well as software like taskTracker, a labor tracking software.

Secure® WINTER PRODUCTS



A full range of innovative ice melt technologies that balance the demands of safety, cost and efficacy with an awareness of the impact these products can have on the environment.



RESOURCE GUIDE

Ecotronics



ECO-Inject Control Panel



Inject Consistency and Control!

The Ecotronics ECO-6 is the latest in control panels for injection equipment. ECO-6 is very user friendly, allowing you to preprogram your desired inputs in the beginning of the season with little to no adjustments throughout.

Features & Benefits:

- Accurately pumps up to three products all at different rates.
- Digital timer, digital calculator and flow meter to program the start and stop of your injection cycles to match up to your irrigation schedule.
- Diagnostic software to monitor pumps and usage rates as well as provide standard reporting including water and product usage and pH levels.
- Safety features which automatically shut down the system when not pumping correctly.
- Full team of technicians to support your team with training and troubleshooting, even after installation.



Mix Transfer System



Spraying made safe, fast and easy!

Giving you back time during critical parts of your day is the primary focus for the Ecotronics Mix Transfer System (MTS). MTS allows you to fill, mix transfer AND fill your entire liquid spray application at once and in less than 15 minutes.

Features & Benefits:

- Compact footprint of 10' x 10'.
- Aggressive mix tank agitation for all chemistry formulations.
- Chemical inductor mounted at hip level to allow for safe filling of chemistries.
- Double back flow preventer added to your fresh water line for additional safety precaution.
- Use of quick couplers and ball valves for easy dismantling of system for winterization.
- Flow meter to accurately measure liquid inputs.
- Fills spray tank at 60 gallons per minute.



taskTracker

taskTracker

Track every task in a fraction of the time!

Effortlessly manage and track crews, jobs and budgets with taskTracker's digital workboard. Bye-bye whiteboard!

Features & Benefits:

- Designed to be friendly and familiar, even for those who avoid technology.
- Do it all dashboard to assign a full day's task to every employee and store those tasks for later use.
- Crystal clear communications with synced calendars, messaging and notes to your team as well as other course departments.
- Control from anywhere with the cloud based app.
- One touch reporting to output detailed labor and expense reports for the current day, yesterday and months ago.



ECO-INJECT ONE

Injecting wetting agents is way to apply. It gives superintendents a labor-free method of spoon feeding small amounts of wetting agent over the entire golf course over an extended period of time for preventative treatment. **The ECO-Inject ONE Injects your wetting agent precisely where you want it at the low dose you need!**

Features & Benefits:

- **Flow Activated:** Programmed with the metering pump to keep the wetting agent in a consistent parts per million (ppm) application rate.
- **Adjustable Rates:** Separate your greens applications from other areas of your course. The 4 GPH Pump allows you to adjust from 0-4 GPH.
- **Multiple Product Hook Up:** Additional ball valves can be added to your pumping system to allow for multiple products to be injected.

Virtual Boundaries = Infinite Possibilities

Husqvarna EPOS™ (Exact Positioning Operating System) utilizes RTK GNSS technology, a satellite navigation technique that provides centimeter-level accuracy in seconds. Map work areas and stay-out zones, create custom schedules, select mowing pattern* and more, all within the Automower® Connect app.

*Multiple mowing patterns will be made available on the 535 AWD EPOS via software update in 2025.

HUSQVARNA CEORA™



- Cut height range: 0.4-2.8"
- Low-cut decks bring cut height minimum to 0.4
- Up to 6 acres per 24 hr period

HUSQVARNA AUTOMOWER® 550/550H EPOS



- Cut height range: 0.4-2.4"/2-3.6"
- Fairway kit brings cut height minimum to 0.4"
- Up to 1.25 acres per 24 hr period

HUSQVARNA AUTOMOWER® **NEW** 535 AWD EPOS



- Cut height range: 1.2-2.8"
- All-wheel drive handles slopes up to 70%/35°
- Up to 0.9 acres per 24 hr period

HUSQVARNA AUTOMOWER® **NEW** 580L EPOS

Engineered for course maintenance.



- Cut height range: 0.4-2"
- Hose washable for easy cleaning
- Rotating wheel brushes reduce grass buildup
- Rubberized body for extra durability
- Up to 2 acres per 24 hr period



An Automower® for all areas



550/550H EPOS

For use around clubhouses, amenities and short game practice areas.



535 AWD EPOS

For steep areas such as bunker faces, rough and surrounding areas.



CEORA

With low cut deck for large flat areas like fairways, driving ranges, and standard deck for rough.



580L EPOS

For complex spaces such as rough and surrounding areas.

MOWS QUIETLY, RAIN OR SHINE

- Reduces irrigation and fertilization needs
- Lessens thatch build-up
- Improves turf health, quality and appearance
- Mows day or night without disturbing guests, residents nearby or natural habitats
- Water-resistant designs can keep mowing in the rain



BUILT FOR BUSY ENVIRONMENTS

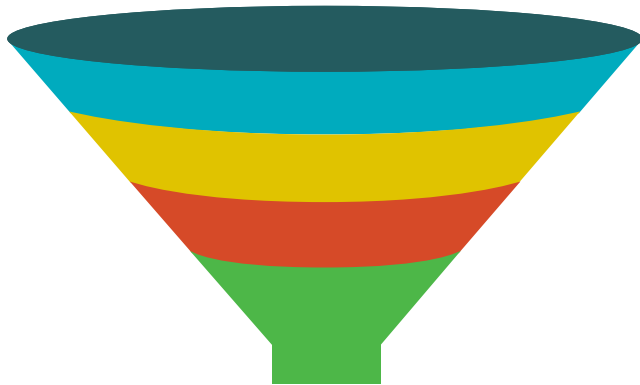
- LED warning lights for safe operation in low light or darkness
- Automatic shut off if mower is lifted
- Interior blades and large protection zone reduce the risk of accidents
- Ultrasonic collision and radar sensors help mowers detect and avoid objects (including wildlife)
- Equipped with anti-theft alarm and GPS tracking



YOUR DAILY PURCHASES



PARTNERSHIP POINTS



Ecotronics[®]
WHERE TURF MEETS TECHNOLOGY



CONVERTED TO REWARDS

Partnership Points

Turning Daily Purchases Into Lasting Value

The golf industry needs technologies that can propel the sport into the future. The challenge becomes how do we invest in tomorrow while we pay for today? The answer to this pivotal question is Partnership Points.

Partnership Points were designed to turn daily purchases into lasting value.

SynaTek's Partnership Points Program allows participants to utilize their purchases to access technologies offered through Ecotronics. Ecotronics has technologies that range from labor tracking software to control panel technology that allow your course to manage water and nutrient applications through irrigation.





Featured Product

MicroTek™ is a complete foliar iron nutritional with a balanced analysis of the essential micronutrients needed to make grass green and healthy without additional growth.

It contains the non-plant food ingredient of Fulvic acid to improve nutrient availability to the crop, enhance photosynthesis, magnify root growth, and increase oxygen uptake as well as chlorophyll production.



Product Highlights

MicroTek™ boasts an 8:5 Iron to Magnesium ratio which is one of the best in this product category. Magnesium increases the Iron utilization and availability. Similar products measure at a 6:.25 ratio meaning MicroTek™ outpaces the competition in both available nutrients and quick green up.

This product comes in an easy to use 5 lb bag which covers anywhere from 10 to 50 Acres depending on desired results. The cost works out to a range of \$9 - \$18 per Acre. This flexibility in rate provides golf course superintendents and landscape contractors with a cost effective full spectrum micronutrient solution.



Guaranteed Analysis

Magnesium (Mg).....	5.000%
Boron (B).....	0.025%
Cobalt (Co).....	0.005%
Copper (Cu).....	0.050%
Iron (Fe).....	8.000%
Manganese (Mn).....	2.500%
Molybdenum(Mo).....	0.005%
Zinc (Zn).....	0.150%

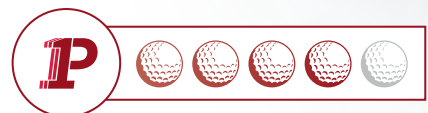
Derived From: Sodium Borate, Cobalt Sulfate, Copper Sulfate, Magnesium Sulfate, Iron Sulfate, Manganese Sulfate, Sodium Molybdate, and Zinc Sulfate. Also contains Citric Acid as a chelating agent.

Also contains the non-plant food ingredient: 2.00% Fulvic Acid derived from Humate.

Application Rates

- Fairway and Tees – 1 - 2 lb per Acre Monthly
- Greens – 2 ½ - 5 lb per Acre Monthly
- Sports Turf – 2 - 4 lb per Acre Monthly

Partnership Point Value



Product: MicroTek

Unit of Measure: 10 x 5 Pound Case

Purchase Increment: 1

Partnership Points: 30

P Partnership Points

Earn Partnership Points on the control products you use on a daily basis from leading manufacturers such as Corteva, Nufarm and Prime Source. A chart of the Partnership Points award levels are provided below.

Dollars Spent on Control Products

From Eligible Manufacturers(1)	Partnership Points Earned
\$0- \$4,999	0
\$5,000	50
Every \$1,000 spent beyond \$5,000	15

(1) Eligible Manufacturers Include: Brandt, Verdesian, Andersons, Lebanon, Precision Labs, FMC, SePro, Prime Source/Albaugh, Quali-Pro, UPL, Rightline, NuFarm, Atticus, PBI Gordon, Corteva

Shipping & Payment

Payment

- Standard payment terms are 30 days unless other wise stated through a pre-approved arrangement or early stocking program.
- SynaTek accepts Visa, MasterCard or American Express with no surcharge if paid prior to delivery or at customer pick-up. A 3.0% surcharge will be assessed for all cards if paid after this time. Credit cards are only accepted in New York if paid prior to delivery.

Shipping

- Minimums for free delivery will vary based upon regional zone. Any order that does not meet the minimum for free delivery will be charged the actual cost for shipping.

Delivery Zone minimums are as follows:

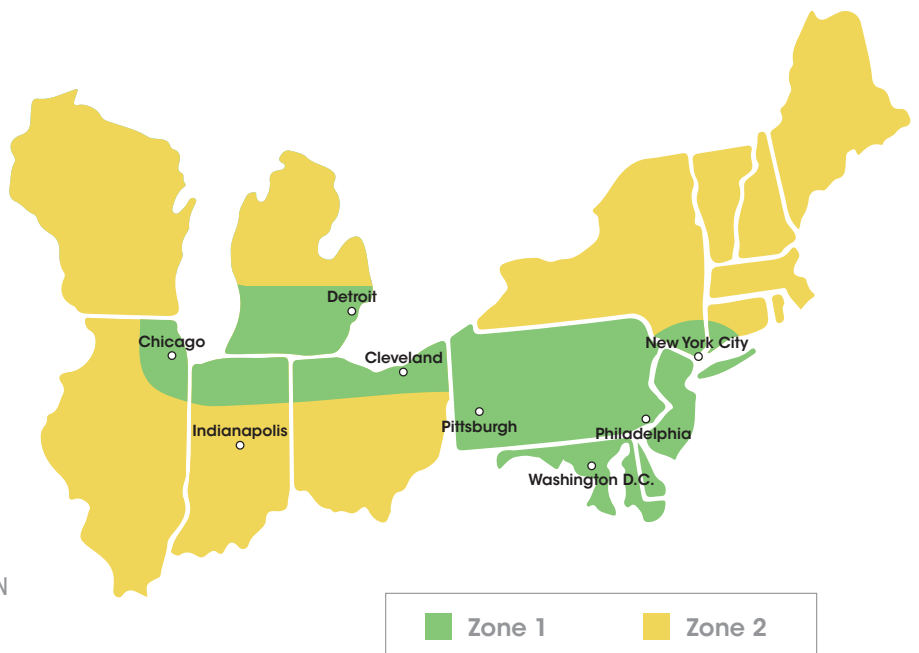
- o Zone 1 - \$ 1,000
- o Zone 2 - \$ 3,000

- All in-stock orders will ship within five business days. Expedited service may be available at no additional charge when requested.
- Liftgate and Pallet Jack service is available at no additional charge when requested.

Custom Blending

Custom fertilizer blends are available provided the following quantity minimums are met:

- Granular Fertilizer 150 or 240 SGN - 5 tons
- Granular Fertilizer with Control Product 150 or 240 SGN
- Liquid Fertilizer - 1,000 Gallons



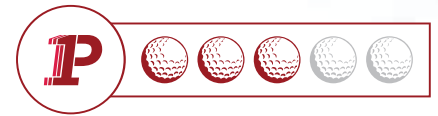
RESOURCE GUIDE

Calcium Enhancements





Partnership Point Value



More Soluble & Available

PhysioCal® contains a naturally soft and porous marine calcium source called Calcimer. This unique porosity and surface area allows PhysioCal® to be 5 times more soluble and 4 times more available than other liming materials, saving time and money. Further, PhysioCal® is different from traditional lime based soil conditioners in that it contains the biostimulant Humistim. Together, the Calcimer and Humistim work to stimulate soil microbes to breakdown organic material into plant available nutrients, with an enhanced micro pH, and more complete nutrition with additional N, Ca, S, and Mg.



Product Details

	PhysioCal® 125	PhysioCal® 250	PhysioCal® Zero	Xcaliber
Analysis	3-0-0	0-0-0	0-0-0	0-0-0
Sulfur	1.60%	5.00%	1.60%	0.00%
Calcium	24.00%	20.00%	25.00%	90.00%
Magnesium	1.20%	4.00%	1.20%	7.00%
SGN	125	250	70	80
Sieve Analysis Before	100% Passing 400 Mesh	100% Passing 400 Mesh	100% Passing 400 Mesh	100% Passing 10 Mesh
Active Ingredient	Calcified Seaweed	Humistim	Calcified Seaweed	Calcium Carbonate
MicroNutrients	Mg, S	Mg, S	Mg, S	Mg, Fe
Bio-Stimulants	Cytokinin, Gibberllins, Auxin	Cytokinin, Gibberllins, Auxin	Cytokinin, Gibberllins, Auxin	N/A
Application	0.5 - 1 lb per 1,000 sq.ft.	0.5 - 1 lb per 1,000 sq.ft	3-5 lb per 1,000 sq.ft.	10 - 25 lb per 1,000 sq.ft.

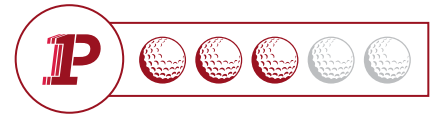
*PhysioCal is a naturally derived product and has calcium variations between 20-25%

*PhysioCal is a registered trademark of Timac USA, Inc.

*Verde-Cal G is a registered trademark of Aqua-Aid Inc.

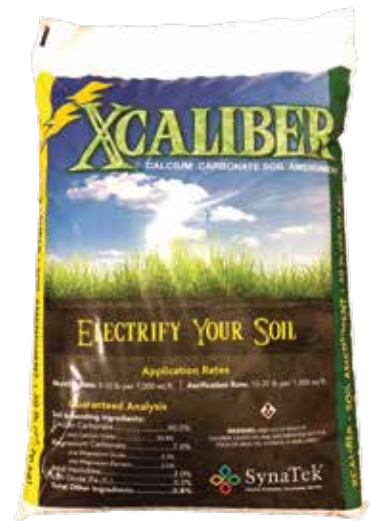


Partnership Point Value



Electrify your Soil

- Increases Cation Exchange Capacity
- Improves the Soil Structure
- Acts as a Long Term Calcium Insurance
- Safe for Season Long Applications
- 4 Times More Available than Traditional Liming Products



Typical Properties

Specific Gravity.....	2.7
Hardness (Mohs' Scale).....	3.0
Bulk Density (Packed) lb/cu.ft.....	89.0
Bulk Density (Loose) lb/cu.ft.....	86.0

Application Rates

Monthly Rate: 5.5 lb per 1,000 sq. ft.
 Aeration Rate: 10-25 lb per 1,000 sq. ft.

Typical Chemical Analysis

Calcium Carbonate.....	90.0%
(As) Calcium Oxide.....	50.4%
(As) Calcium Element.....	36.0%
Magnesium Carbonate.....	7.0%
(As) Magnesium Oxide.....	3.3%
(As) Magnesium Element.....	2.0%
Acid Insolubles.....	2.0%
Iron Oxide (Fe ₂ O ₃).....	0.2%

Typical Physical Analysis

U.S. Standard Mesh	% Passing
10.....	100
20.....	100
60.....	8.0
200.....	2.0

Partnership Point Value



Calcium Enhancement

Product	Unit of Measure	Purchase Increment	P
Xcaliber (80 SGN)	50 Pounds	1	2
PhysioCal Zero (70 SGN)	55.125 Pounds	1	3
PhysioCal (125 SGN)	50 Pounds	1	1
PhysioCal (250 SGN)	40 Pounds	1	1

RESOURCE GUIDE

Branch Creek®





Partnership Point Value



Acts as an **Organic Catalyst**

Paleo is a blend of Humic, Fulvic and Ulmic acid that acts as an organic chelator and microbial stimulator. It has a unique carbon matrix which includes a high concentration of trace minerals and organic acids. Humic acid enhances the plant's ability to take in essential nutrients and improves soil structure.



Product Highlights

- Humates feed the soil microbes which in turn release the nutrients such as nitrogen, phosphates and other trace elements
- **Humic acids** - enable the plants to extract nutrients from the soil
- **Ulmic acids** - stimulate and increase root formation and growth
- **Fulvic acids** - give plants strength to withstand stresses caused by pest, drought and mowing
- Natural chelating and complexing agent to help magnify nutrient absorption

Application Rates

Turf (Golf Tees and Greens)

- Overall: 1 gallon per Acre every month
- Program: 64 oz. per Acre every 2 weeks

Turf (Residential, Commercial, Fairways)

- Initial Application: 3 oz. per 1,000 sq.ft. (1 gallon per Acre)
- Maintenance: 3 oz. per 1,000 sq.ft. every 2 weeks

Ornamental Maintenance Program

- 2 Applications Annually: Mix .78 gallons per 200 gallons of water
- Stress Recovery Rate: Mix 1.56 gallons per 200 gallons of water
Drench soil to saturation or 1 gallon of finished product per 1 inch DBH.
Spring and Fall application suggested.

Guaranteed Analysis

Soluble Potash (K ₂ O).....	5%
Humic Acid.....	16%
Fulvic Acid.....	9%
Ulmic Acid.....	3%
Total other ingredients (inert).....	67%

Other Ingredients

Sulfur, Magnesium, Calcium, Sodium, Iron, Manganese, Copper, Zinc

10 Micronutrients (ppm)

- Sulfur (S) 2000
- Magnesium (Mg) 2000
- Calcium (C) 300
- Sodium (Na) 300
- Iron (Fe) 974
- Manganese (Mn) 34
- Copper (Cu) 4.0
- Zinc (Zn) 9



Partnership Point Value



Promotes **Nitrogen Absorption**

Colony Complete is produced by a fermentation process utilizing a consortium of microbes that promotes a highly productive microbial system in the soil. Colony Complete can be used in conjunction with fertilizer to promote the absorption of nitrogen and critical minerals in order to increase the level of bioavailable nutrients to the root system. Colony Complete provides several unique advantages including, industry leading shelf-life stability and efficacy across many soils and environments.



Product Highlights

- Supports root biomass formation resulting in a more vigorous root system.
- Contains a unique, complex and multifunctional microbial ecosystem to support a healthy soil microbiome
- Application to plants tips the rhizosphere microbiome in favor of beneficial microbes
- Creating a rhizosphere with robust beneficial microbes enhances the plants' ability to overcome stresses
- Includes microbes from different microbial families – including aerobic and anaerobic microbes – to deliver a broad range of benefits
- Proprietary co-fermentation process of the consortium results in very stable product

Application Rates SHAKE / AGITATE before use

Apply during growing season when soil temperatures are above 45 degrees. Mix with water at no less than 1 qt. per 1,000 sq.ft. or 11 gallons per Acre.

Turf (Golf) Tees and Greens:

- Initial Application: 2 oz. per 1,000 sq.ft. (2.75 qt. per Acre)
- Maintenance: 1 oz. per 1,000 sq.ft. (1.4 qt. per Acre) every 21-30 days

Turf (Residential, Commercial + Fairways):

- Initial Application: 1.5 oz. per 1,000 sq.ft. (2.0 qt. per Acre)
- Maintenance: .75 oz. per 1,000 sq.ft. (1 qt. per Acre) every 30-45 days

Guaranteed Analysis

Soluble Potash (K₂O).....12%
Derived from: Molasses

Non-plant Food Ingredients

Active Ingredients:
Azotobacter vinelandii
300,000 CFU/ml. minimum
Clostridium pasteurianum
300,000 CFU/ml. minimum



Partnership Point Value



The Total Microbial Package

Colony North is a microbial package that includes biology whose primary purpose is to solubilize nitrogen, phosphorus, potassium and calcium as well as increase chitinolytic and cellulolytic activity.

Product Highlights

- Increase of nutrient availability allowing for reduction in fertilizer usage.
- Creates a natural reduction of thatch through organic matter breakdown.
- Degradation of toxic substances by taking pollutants out of the air, through digestion, and removing them from the soil
- The increase of good soil micro-organisms allows for better plant development and prevention of plant disease
- Formation of soil aggregates as bacteria produces cellulose which helps to accumulate Organic Matter. A 1% increase in Organic Matter increases the soils watering holding capacity by 25,000 gallons per Acre.
- Beneficial Bacteria communicate with the plant and trigger enzyme releases that tell the plant to develop roots, absorb nutrients that they are lacking, and prepare for a fungus trying to invade.
- Increases the rigidity and structure of cell walls which provides added drought tolerance as well as disease tolerance.
- Works to detach the Carbon molecule from Carbon Dioxide (CO₂) made in the soil and begins the linkage of carbon atoms.

Application Rates SHAKE / AGITATE before use

Turf (Golf - Tees and Greens)

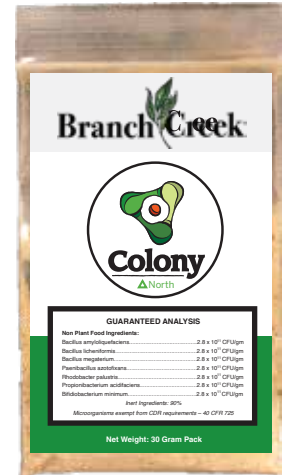
- Initial Annual Inoculation Application: 15 gm per Acre (1 packet per 2 Acres)
- Maintenance: 10 gm per Acre (1 packet per 3 Acres) every 21-30 days

Turf (Residential, Commercial, Fairways)

- Initial Annual Inoculation Application: 15 gm per Acre (1 packet per 2 Acres)
- Maintenance: 10 gm per Acre (1 packet per 3 Acres) every 21-30 days

Ornamental Maintenance Program

- Mix one 30 gm packet of Colony North per 200 gallons of water. Drench soil to saturation or 1 gallon of finished product per 1 inch DBH. Spring and Fall applications suggested.
- Tank mix with 16-3-3 Arbor Flo at desired fertilizer rate for added effectiveness.



Guaranteed Analysis

Non-Plant Food Ingredients:

Bacillus amyloliquefaciens.....	2.8 x 10 ¹¹ CFU/gm
Bacillus lichenifor.....	2.8 x 10 ¹¹ CFU/gm
Bacillus megaterium.....	2.8 x 10 ¹¹ CFU/gm
Paenibacillus azotofixans.....	2.8 x 10 ¹¹ CFU/gm
Rhodobacter palustris.....	2.8 x 10 ¹¹ CFU/gm
Propionibacterium acidifaciens.....	2.8 x 10 ¹¹ CFU/gm
Bifidiobacterium minimum.....	2.8 x 10 ¹¹ CFU/gm

Inert Ingredients: 90%
Microorganisms exempt from CDR requirements - 40 CFR 725



Partnership Point Value



Plant Nutrient **Enhancer**

BioGrowth NE/O is a natural broad spectrum plant nutrient enhancer with a wide application window on a variety of turf grass types. It is biologically active in the plant improving plant respiration in the mitochondria. The net result is enhanced internal movement of nutrients and hormones, leading to increased root development.



Product Highlights

- New Organic Formulation
- Stronger Root Development
- Higher Chlorophyll Density
- More Efficient Uptake and Utilization of Nutrients
- Does not change the genes
- BioGrowth NE/O does have an effect on how plant genes function within the plant
- BioGrowth NE/O sends a message to the plant to use its genetic code and resources in a different manner
 - 1) For improved growth
 - 2) For better nutrient uptake and movement
 - 3) For improved plant response to stress

Guaranteed Analysis

Active Ingredients:

Complex Polymeric Polyhydroxy Acids..	0.18%
Other Ingredients.....	99.82%
Total.....	100.00%

Application Rate

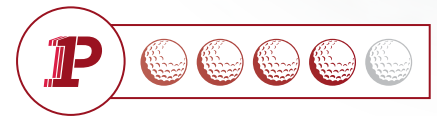
8 to 12 oz. per Acre use rate, per application.
(Check label for specific rates)

COMPETITIVE ADVANTAGE - COMPARABLE PERFORMANCE

- Plant active, is highly concentrated with very high unit activity
- No known fertilizer pH compatibility issues
- Does not require any special handling procedures or equipment
- Can be formulated into both dry and liquid fertilizers
- This technology has application potential across all crop types, cropping systems, climate and soil types
- Environmentally-safe, non-disruptive and exceptionally suited to all application methods
- Improves the efficiency and utilization of all crop nutrients, not just one or two

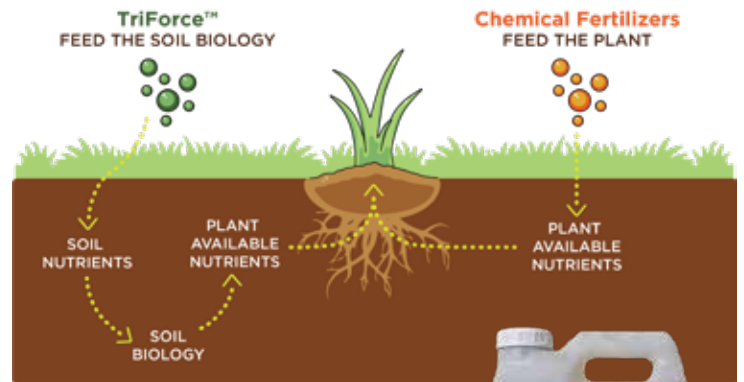


Partnership Point Value



Product Highlights

Chemical fertilizers bypass and ultimately deplete soil biology. TriForce™ PC is designed to reinstate growing as God intended by restoring soil's depleted biology. Without chemical interference the biology in soil is able to break down naturally occurring nutrients to feed the plant. As the health of soil improves we are able to reduce and ultimately eliminate the need for chemical fertilizers and toxic pesticides. It's a win for our health, our planet and our wallets.



Application Rates

Turf (Golf) Tees and Greens:

Initial Application: 6 oz. per 1,000 sq.ft. (2 gallons/acre)
 Maintenance: 3 oz. per 1,000 sq.ft. (1 gallon/acre) every 21-30 days

Turf (Residential, Commercial, Fairways & Roughs):

Severely Depleted Soil Application: 3 oz. per 1,000 sq.ft. (1 gallon/acre) every 30-45 days
 Maintenance: 2 oz. per 1,000 sq.ft. (2.75 quarts/acre) every 30-45 days

Ornamentals New Installation:

Initial Application: 2 gallons of TriForce™ PC per 200 gallons of water. Drench soil to saturation or 1 gallon of finished product per 1 inch DBH.

Follow Up Application: ½ gallon TriForce™ PC per 200 gallons of water (4-6 weeks after initial application). Drench soil to saturation or 1 gallon of finished product per 1 inch DBH

Ornamental Maintenance Program:

Mix 1 gallon of TriForce™ PC per 200 gallons water. Drench soil to saturation or 1 gallon of finished product per 1 inch DBH. Spring and fall applications. Tank mix with 16-3-3 Arbor Flo® at desired fertilizer rate for added effectiveness.

TriForce™ PC Components

Colony™ North is a *Pro-Biotic* with a robust consortium of beneficial bacteria specifically blended for use in cool season geographies. The bacteria have been specifically selected to improve soil structure, release trapped nutrients as well as increase carbon sequestration and organic matter.

Paleo is a *Pre-Biotic* food source that is designed to feed existing bacteria biology in the soil as well as promote the colonization of the bacteria in Colony™ North.

BioGrowth NE/O improves the plants natural ability to take-up nutrients that have been made available by the bacteria in the soil.



BRANCH CREEK 4-4-4 BIO

Partnership Point Value



Product Overview

A balanced formula containing all the macronutrients plants need all season long. Formulated for organic use, this premium-grade granular fertilizer contains nutrient-rich ingredients infused with value-added BC biologicals. Proprietary True Granular Technology combines humic acid and essential nutrients such as NPK, Ca and Fe into a slow-release and easy-to-spread granule.

Application Rates

Golf Course

Low Rate: 12 lb. (0.50 lb. N) / 1,000 sq.ft.
 Medium Rate: 19 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 25 lb. (1 lb. N) / 1,000 sq.ft.

Turf

Medium Rate: 19 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 25 lb. (1 lb. N) / 1,000 sq.ft.

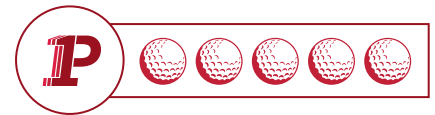
Ornamentals:

Low Rate (for heavy substrates with porosity < 60%)
 Incorporation: 30 lb. per cubic yard of media
 Landscape: 49 lb. per 1,000 sq.ft.
Medium Rate (for most nursery stock and foliage plants)
 Incorporation: 45 lb. per cubic yard of media
 Landscape: 86 lb. per 1,000 sq.ft.
High Rate (for light substrates with porosity > 80%)
 Incorporation: 56 lb. per cubic yard of media
 Landscape: 124 lb. per 1,000 sq.ft.



BRANCH CREEK 4-4-4 BIO Fine

Partnership Point Value



Product Overview

This premium grade micro granular fertilizer has a size grade number of 110 and contains only 100% organic nutrient rich ingredients infused with value added biologicals. Both humic acids and microroganism development work to strength plant's roots for greater absorption of water and disease-fighting elements. Recommended for spring and fall aeration recovery, midsummer stress management, winter dormant feeding, cool season over-seeding nutrition, and warm season transition.

Application Rates

Golf Course

Low Rate: 12 lb. (0.50 lb. N) / 1,000 sq.ft.
 Medium Rate: 19 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 25 lb. (1 lb. N) / 1,000 sq.ft.

Turf

Medium Rate: 19 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 25 lb. (1 lb. N) / 1,000 sq.ft.

Ornamentals:

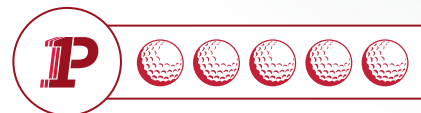
Low Rate (for heavy substrates with porosity < 60%)
 Incorporation: 30 lb. per cubic yard of media
 Landscape: 49 lb. per 1,000 sq.ft.
Medium Rate (for most nursery stock and foliage plants)
 Incorporation: 45 lb. per cubic yard of media
 Landscape: 86 lb. per 1,000 sq.ft.
High Rate (for light substrates with porosity > 80%)
 Incorporation: 56 lb. per cubic yard of media
 Landscape: 124 lb. per 1,000 sq.ft.





BRANCH CREEK 5-3-2 BIO

Partnership Point Value



Product Overview

BC BIO base formula containing 100% organic and natural ingredients plus twice the concentration of biological additions compared to other dry formulas. Using minerals like humic acids, our fertilizer is guaranteed to enrich soil content in a way that won't burn roots. Strengthens root growth and overall plant health. Apply "as is" or dry blend with conventional fertilizers to maximize performance.

Application Rates

Golf Course

Low Rate: 10 lb. (0.50 lb. N) / 1,000 sq.ft.
 Medium Rate: 15 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 20 lb. (1 lb. N) / 1,000 sq.ft.

Turf

Medium Rate: 15 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 20 lb. (1 lb. N) / 1,000 sq.ft.

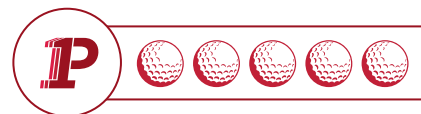
Ornamentals:

Low Rate (for heavy substrates with porosity < 60%)
 Incorporation: 24 lb. per cubic yard of media
 Landscape: 40 lb. per 1,000 sq.ft.
Medium Rate (for most nursery stock and foliage plants)
 Incorporation: 36 lb. per cubic yard of media
 Landscape: 69 lb. per 1,000 sq.ft.
High Rate (for light substrates with porosity > 80%)
 Incorporation: 45 lb. per cubic yard of media
 Landscape: 100 lb. per 1,000 sq.ft.



BRANCH CREEK 5-3-2 BIO Fine

Partnership Point Value



Product Overview

BC BIO base formula containing 100% organic and natural ingredients plus twice the concentration of biological additions compared to other dry formulas. Using minerals like humic acids, our fertilizer is guaranteed to enrich soil content in a way that won't burn roots. Strengthens root growth and overall plant health. Apply "as is" or dry blend with conventional fertilizers to maximize performance.

Application Rates

Golf Course

Low Rate: 10 lb. (0.50 lb. N) / 1,000 sq.ft.
 Medium Rate: 15 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 20 lb. (1 lb. N) / 1,000 sq.ft.

Turf

Medium Rate: 15 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 20 lb. (1 lb. N) / 1,000 sq.ft.

Ornamentals:

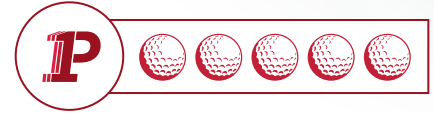
Low Rate (for heavy substrates with porosity < 60%)
 Incorporation: 24 lb. per cubic yard of media
 Landscape: 40 lb. per 1,000 sq.ft.
Medium Rate (for most nursery stock and foliage plants)
 Incorporation: 36 lb. per cubic yard of media
 Landscape: 69 lb. per 1,000 sq.ft.
High Rate (for light substrates with porosity > 80%)
 Incorporation: 45 lb. per cubic yard of media
 Landscape: 100 lb. per 1,000 sq.ft.





BRANCH CREEK 7-2-1 BIO

Partnership Point Value



Product Overview

For higher organic nitrogen requirements, a value-added fertilizer functioning at the rhizosphere to fuel metabolic nutrient cycling and organic mineralization. Between the carbon-inducing and humic acid-rich content, your roots will have the nourishment needed for sustainable yields. Boost root growth and overall plant health with BC Bio 7-2-1 true granular microbial fertilizer.

Application Rates

Golf Course

Low Rate: 7 lb. (0.50 lb. N) / 1,000 sq.ft.
 Medium Rate: 11 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 14 lb. (1 lb. N) / 1,000 sq.ft.

Turf

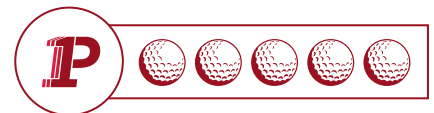
Medium Rate: 11 lb. (0.75 lb. N) / 1,000 sq.ft.
 High Rate: 14 lb. (1 lb. N) / 1,000 sq.ft.

Ornamentals:

Low Rate (for heavy substrates with porosity < 60%)
 Incorporation: 17 lb. per cubic yard of media
 Landscape: 28 lb. per 1,000 sq.ft.
Medium Rate (for most nursery stock and foliage plants)
 Incorporation: 26 lb. per cubic yard of media
 Landscape: 49 lb. per 1,000 sq.ft.
High Rate (for light substrates with porosity > 80%)
 Incorporation: 32 lb. per cubic yard of media
 Landscape: 70 lb. per 1,000 sq.ft.



Partnership Point Value



Product	Unit of Measure	Purchase Increment	P
Paleo	2.5 Gallons	1	4
Colony Complete	2.5 Gallons	1	11
Colony North	30 Gram Pack	1	2
BioGrowth NE/O	1 Gallon	1	13
BC Bio	50 Pounds	1	1



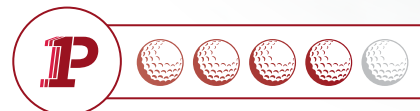


RESOURCE GUIDE

Water Quality Amendments (Volution™)



Partnership Point Value



Maximize Infiltration

Volution™ Maxx is a flexible soil surfactant blend that allows turf managers to customize their water management and irrigation programs. Volution™ Maxx increases the infiltration of water into the soil while uniformly holding it in the rootzone over time. Volution™ Maxx provides performance across a variety of turf and soil types.

VOLUTION™ MAXX IS DESIGNED FOR USE ON GOLF COURSES, ATHLETIC FIELDS AND RESIDENTIAL OR COMMERCIAL TURF, UNDER THE SUPERVISION OF GOLF COURSE SUPERINTENDENTS, SPORTS TURF MANAGERS OR PROFESSIONAL LANDSCAPE CONTRACTORS.

Product Highlights

- Prevent or cure localized dry spot
- Manage water in coarse-textured soils
- Help plants survive drought
- Improved irrigation efficiency

Application Rates

- Apply Volution™ Maxx at 4 oz. per 1,000 sq. ft. for performance up to 30 days.
- Apply Volution™ Maxx at 6 oz. per 1,000 sq. ft. for performance up to 45 days.
- Apply Volution™ Maxx at 8 oz. per 1,000 sq. ft. for performance up to 60 days.
- Apply Volution™ Maxx at 8 oz. per 1,000 sq. ft. in split applications, 2 weeks apart (for a total of 16 oz.), for performance up to 90 days.



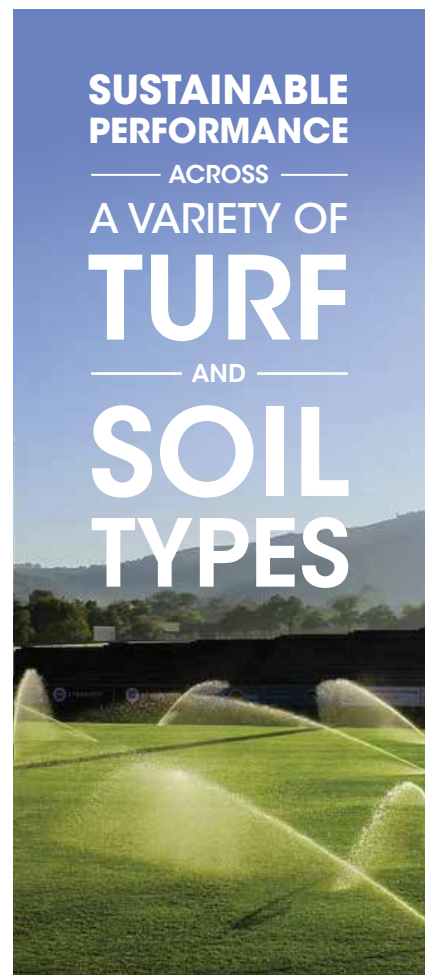
**SUSTAINABLE
PERFORMANCE**

— ACROSS —
A VARIETY OF

TURF

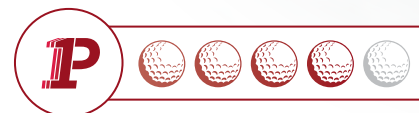
— AND —

**SOIL
TYPES**





Partnership Point Value



Reduce Interfacial Tension

Managing water in the root zone of turf and ornamental plants represents a challenge for turfgrass managers, ornamental growers and landscape contractors. Volution™ P/C reduces the interfacial tension between water and the plant and soil surface, allowing water to spread on the plant leaf blade and improving the penetration of irrigation and rainfall into and throughout the plant root zone.

DESIGNED BY SYNATEK, FOR APPLICATION THROUGH AN ECOTRONICS® INJECTION SYSTEM, VOLUTION™ P/C IS A UNIQUE FORMULATION OF SURFACTANT CHEMISTRIES AND WATER CONDITIONERS FOR USE ON GOLF COURSES, RESIDENTIAL OR COMMERCIAL SITES, SPORTS COMPLEXES, AS WELL AS LANDSCAPES, NURSERIES AND ORNAMENTAL PLANTINGS.

Product Highlights

- Injected through Ecotronics® Injection System – accurate and easy to apply
- Reduces water's surface tension – reduces runoff and improves plant health and vigor
- Conditions hard water – Improves performance of water and soil active chemistries
- Labeled for use on turf and ornamentals – flexible

Application Rates

As a soil penetrant, apply Volution™ P/C throughout the growing season, starting prior to plant stress. As a water conditioner, used in a sprayer or Ecotronics Mix Transfer System, Volution™ P/C improves the performance of herbicides, plant growth regulators, fungicides, insecticides and liquid fertilizers, affected by pH or water quality.

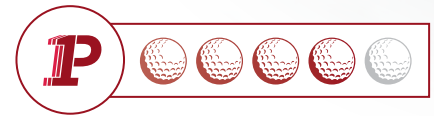


Reducing
Interfacial Tension
BETWEEN
Water, the Plant
and Soil Surface





Partnership Point Value



Improved Irrigation Water

Volution™ Affect (15-0-0 16% S) is a urea-sulfuric reaction product, produced in our state-of-the-art, controlled reaction facility. Volution™ Affect is designed as a spray equipment cleaner, soil conditioner, water treatment product and irrigation system cleaner. It is also a supplemental supply of urea-based nitrogen and sulfur. Volution™ Affect contains 15% urea nitrogen and 16% sulfur while providing a safer alternative to pure acid products.

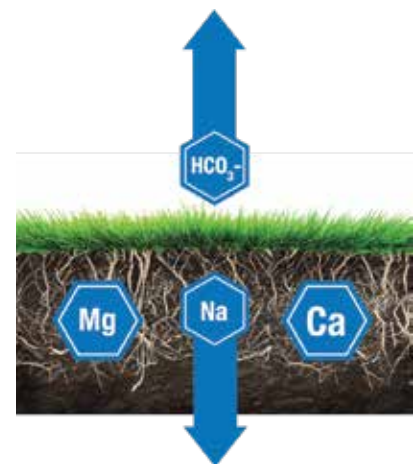
Poor quality irrigation water?
 Poor cation exchange?
 Not getting efficiency out of Mg and Ca amendments?
 Reduced porosity and drainage? High sodium and/or bicarbonates?

Product Highlights

- Neutralize the negative effects of high bicarbonate and carbonate levels in irrigation water and the soil solution
- Lower pH of irrigation water and soil water
- Maintain the solubility of Ca and Mg in irrigation and soil water
- Dissolve calcium carbonate and magnesium carbonate salts on the surface (crusts) and in the soil profile
- Improve the ability of soil-applied Ca-based amendments to produce soluble Ca
- Flocculate dispersed colloidal-sized clay particles
- Improve percolation and infiltration characteristics of the soil profile
- Clean and remediate clogged irrigation lines and emitters

Soil Restoration

In many cases, soil issues start with irrigation water. Volution™ Affect can be used as a key tool to restore the ratio of Ca, Mg, and Na in the soil. Excess sodium can degrade the soil structure and displace other key elements from the soil particle. Volution™ Affect will assist in flushing out undesirable Na and will “burn off” bicarbonates.



VOLUTION™
AFFECT
IS YOUR ANSWER!

The Volution™ Solution

The goal of any spray application whether in lawn care, sports turf, or golf course management is to ensure the active ingredients that your invested in gives you the desired results you expect.

Offentimes these results cannot be achieved by just adding them to water. Follow these easy four steps to manage the performance and safety of your spray mixes.

STEP 1: CLEAN Your Tank Before Each New Spray Batch

Equipment can house ingredients left over from a previous spray which could impact the compatibility and safety of your next spray. Ensure that ALL spray equipment being used during your spray application has been cleaned.

The best way to ensure these components are effectively cleaned is by using a tank cleaner.

You also want to ensure that your tank cleaner contains a corrosive resistant formula. Many cleaners on the market contain ingredients like ammonia that can be potentially corrosive to your hoses and fittings.

Step 2: START Your Mix Out Right

Poor water quality can negatively affect the performance of your mix batch chemistries. Most sprays in turf applications function best between a pH from 5-7.

Water with a pH above 7 can lead to alkaline hydrolysis, which causes your pesticide molecules to split apart. Once split apart other elements in your water, like hard water ions calcium, magnesium and iron recombine with the split pesticide molecule to form ineffective compounds.

Pool pH test strips or a digital pH tester make it easy to test your water. Once pH of your water is determined using an acidifying water conditioner will ensure your water stays in the desired pH range of 5-7 throughout your spray mixing process.

Step 3: CONTROL Your Spray Droplet

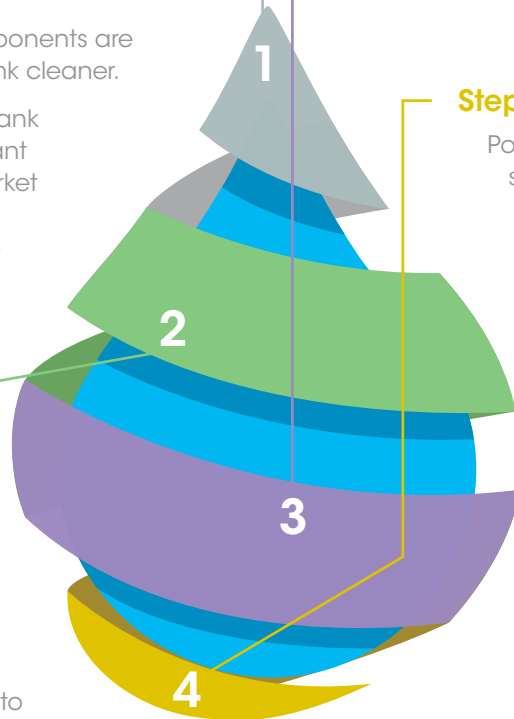
Drift and other forms of off-target movement can cause smaller droplet sizes to miss their intended destination. Most spray application products are only effective if they reach and are retained on the leaf.

Adding a spray adjuvant to your tank mix will give you added control of your spray application.

Step 4: ACTIVATE Your Spray

Poor coverage and penetration of your spray solution can lead to unsatisfactory performance. This is particularly relevant to waxy leaf surfaces that inhibit good coverage and penetration.

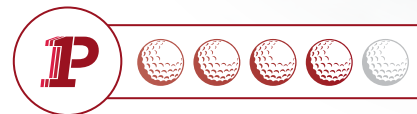
Using a non-ionic surfactant will increase the effectiveness of both contact and systemic chemistries.



The Volution™ products Clean, Start, Control and Activate will provide you with the necessary adjuvants for an effective and economical spray application.



Partnership Point Value



Step 1: CLEAN Your Tank Before Each New Batch

Residues from previous sprays often hide in the nooks and crannies of your tanks and hoses. This residue may not always play well with the active ingredients in your new tank mix, causing physical and chemical incompatibilities.

Volution™ Clean is a high performing and easy to use mix tank and spray system cleaner. Clean is formulated with a combination of detergents and emulsifiers that helps to clean and solubilize residues. Clean will penetrate dried on residues to free them up and get it back into a sprayable solution.

Clean also helps to solubilize oily residues from emulsifiable concentrates or oil based formulations to ensure that any leftover active ingredient is eliminated.

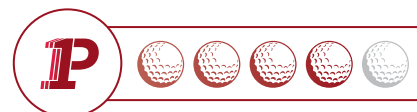
Clean is a non-corrosive formula which can have negative effect on your pumps, hoses and fittings.

Application Rates

- 2 qt. per 100 gallons of water for heavier residue removal and cleaning.
- Use 1 qt. per 100 gallons of water for more frequent maintenance cleaning.



Partnership Point Value



Step 2: START Your Mix Out Right

Poor water quality can negatively affect the performance of your mix batch chemistries. Most sprays in turf applications function best between a pH from 5-7.

Volution™ Start is a pH acidifier that protects spray mixes from loss of performance associated with high pH. Start is formulated with a citric acid that safely lowers pH to ensure performance of sensitive chemistries. It also contains a surfactant that reduces the surface tension of your spray solution to allow less soluble products to get into a good homogenous mix.

Start includes an antifoam to reduce foaming during agitation.

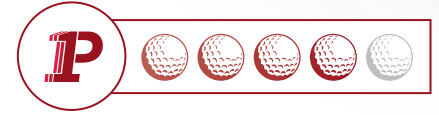
Application Rates

The chart below indicates the pH reduction capabilities of Start

Solution pH Before	oz. of Start/100 gallon of Spray Solution	% Volume	Solution pH After
8.0	0	0.000	8.0
8.0	8	0.063	5.7
8.0	16	0.125	4.5
8.0	24	0.187	4.0
8.0	32	0.250	3.6
8.0	40	0.313	3.4



Partnership Point Value



Step 3: Control Your Spray Droplet

Drift and other forms of off-target movement can cause smaller droplet sizes to miss their intended destination. Most spray application products are only effective if they reach and are retained on the leaf.

Volution™ Control is formulated with a combination of modified vegetable oils to reduce driftable fines and get more of the intended product to the targeted leaf surface.

Control also reduces droplet bounce for your spray solution by absorbing the kinetic energy that a spray droplet gains when leaving the nozzle and heading towards the plant.

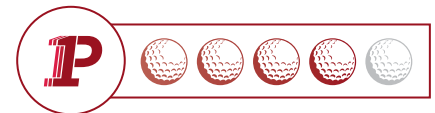
Control has low use rates and mixes very well with limited agitation.

Application Rates

- 4-6 oz. per Acre in 5-20 GPA applications
- 6-8 oz. per Acre in 20-40 GPA applications
- 8-10 oz. per Acre in 40-80 GPA applications



Partnership Point Value



Step 4: Activate Your Spray

Poor coverage and penetration of your spray droplet into the leaf can lead to unsatisfactory performance. Volution™ Activate is an adjuvant formulated to increase the effectiveness of both contact and systemic chemistries. Whether used with an oil, water or flowable based formulation, Activate can be used across a variety of different situations.

Activate is a non-ionic surfactant that increases coverage for better uptake. It also uses a unique and advanced polymeric component that safely increases penetration across waxy cuticles for plant better utilization.

Application Rates

Apply Volution™ Activate at 1 pt. per 100 gallons or 0.125% Volution™ Activate of spray solution.



Water Quality Amendments

Product	Unit of Measure	Minimum Delivery Quantity	P
Volution™ Affect	Bulk Gallon	100 Gallons	1
Volution™ P/C	2.5 Gallons	N/A	2
Volution™ P/C	20 Gallon Drum	N/A	29
Volution™ P/C	275 Gallon Tote	N/A	425
Volution™ Maxx	2.5 Gallons	N/A	5
Volution™ Maxx	20 Gallon Drum	N/A	42
Volution™ Maxx	275 Gallon Tote	N/A	480
Volution™ Clean	1 Gallon	N/A	1
Volution™ Start	1 Gallon	N/A	1
Volution™ Control	1 Gallon	N/A	2
Volution™ Activate	1 Gallon	N/A	2

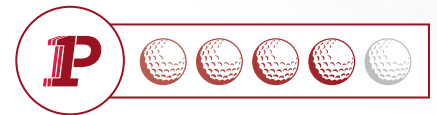
RESOURCE GUIDE

Liquid Fertilizer





Partnership Point Value



Safe, Summer-Long Foliar Applications

FertAminos® was developed to meet the needs of customers who wanted a “complete” high quality bio-fertilizer to use all season long and on all heights of cut. This balanced formulation is ideal for managers who want to have safe, summer-long foliar applications with the purpose of excellent tank mix compatibility and turf performance.



Product Highlights

Base Nutrients

Derived from urea and potassium chloride as well as the slow release of N-(n-butyl) Thiophosphoric Triamide and urea dicyandiamide.

Complementary Elements

All of our products contain the unique and proprietary blend Proactin, a matrix of L-form amino acids, vitamins and stress metabolites with over twenty years of recognized industry results.

L-form Amino Acids

Contains a high concentration of preselected L-form amino acids rather than a generalized profile. These selected amino acids are specific to turf creating a greater biological impact on the plant to stimulate nutrient uptake, reduce plant stress and to increase root mass.

Vitamins

Complementing the amino acids is a targeted premix of vitamins combining b-complex and antioxidants. This blend creates the ideal ratio for optimum biological activity within the plant.

Stress Metabolites

Times of stress leave your turf susceptible to other diseases, so keeping your plant healthy is important. Our 2-way blend of complex polysaccharides works synergistically with the vitamins aiding in maintaining even growth all season long. Additionally, they provide an ideal food source for beneficial bacterial within the soil and play a key role in the uptake of nutrients into the plant health by both foliar and root.

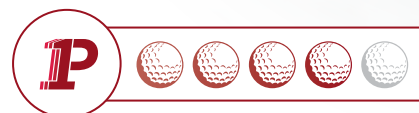
Analysis	lb of N per 1,000 sq.ft.	oz. per 1,000 sq.ft.	Gallons per Acre
10-0-10 (50% SCR N) 1:1 balanced all-purpose fertilizer.	0.10 lb	12.93 oz.	4.45 Gallons
14-4-9 (50% SCR N) All purpose fertilizer that includes phosphorus for turf's healthy root development.	0.10 lb	9.12 oz.	3.13 Gallons
16-0-8 (50% SCR N) 2% Fe 2:1 balanced ratio with the added benefit of a fully chelated iron source resulting in excellent turf color.	0.10 lb	7.53 oz.	2.59 Gallons



Turf Flo®

Premium Liquid Turf Fertilizer

Partnership Point Value



Turf Flo® products are homogenous clear liquid fertilizers that are odorless and easy to handle. Turf Flo® can be used in all standard spray equipment and tank mix well with pesticide and micronutrients.

All of our products are derived from urea, ammonium polyphosphate, potassium chloride and iron sulfate.

When specified the two slow release nitrogen sources are used.

- CRN –Urea Triazone
- SCRN (n-butyl) Thiophosphoric Triamide and Dicyandiamide Urea

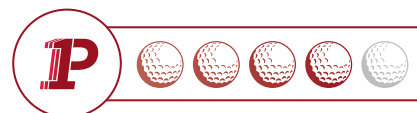
Analysis	lb of N per 1,000 sq.ft.	oz. per 1,000 sq.ft.	Gallons per Acre
9-18-5 Starter	0.10 lb	13.94 oz.	4.74 Gallons
19-0-4 (35% CRN) w/TriForce	0.10 lb	6.88 oz.	2.37 Gallons
17-0-5 (100% UN)	0.10 lb	7.66 oz.	2.40 Gallons
20-0-3 (50% SCRN)	0.10 lb	6.67 oz.	2.30 Gallons
20-0-5 (35% CRN) (50% NBN) 2% Fe	0.10 lb	6.82 oz.	2.30 Gallons
28-0-0	0.10 lb	4.30 oz.	1.50 Gallons



Arbor Flo®

Premium Tree & Shrub Fertilizer

Partnership Point Value



Designed specifically for annuals and perennials in mind, 16-3-3 (50% CRN) is formulated to encourage growth and create healthy, vigorous, attractive plants that will produce an abundance of flowers.

A complete fertilizer blend that combines the three main plant nutrients: Nitrogen (N), Phosphorus (P) and Potassium (K). Nitrogen stimulates the production of chlorophyll which promotes healthy leaf growth. Phosphorus supports the development of some of the most important parts of the plant: roots, stems, blossoms and fruits. Potassium is used in plants to help them digest and manufacture their foods as well as maximize health during heat stress.

ArborFlo® is derived from urea, potassium chloride and ammonium polyphosphate. It also contains the slowly available nitrogen, urea-triazone.

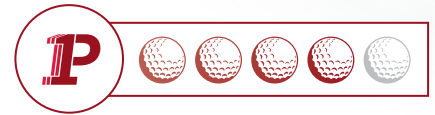
Application Rates

Surface Application: Mix 1 gallon (128 oz.) of ArborFlo® in 5 gallons of water per 1,000 sq. ft. of canopy. Make two applications per year, one in spring and an additional application in summer or fall.

Soil Injection: Mix 5 gallons (640 oz.) of ArborFlo® 16-3-3 in 100 gallons of water per 1,000 sq. ft. of canopy. Injections should be made on 12"-18" centers in a grid pattern over the root system of the tree. Injections should be no more the 3"- 8" deep to maximize fertilizer efficiency. Make two applications in the year, one in early spring (February - March) and again in mid to late fall (September - October).



Partnership Point Value



Maintain Optimum Playability

Providing small, consistent amounts of nutrients (spoon-feeding) to your turf will help to strengthen your plant during times of stress, re-energize during tournament time and aid in disease recovery, all while maintaining optimum playability.



SynaTek® provides a full suite of injectable liquid fertilizers that will result in uniform growth and consistent playability. All of our products are derived from urea, ammonium polyphosphate and potassium chloride. While custom mixes are available our most popular blends are included here.

Analysis	lb of N per 1,000 sq.ft.	oz. per 1,000 sq.ft.	Gallons per Acre
2-0-12 High potassium blend ideal for situations that need low amounts of nitrogen.	0.10 lb	10.67 oz.	3.630 Gallons
10-0-10 Season-long fertigation blend for applications that need a balance ratio of nitrogen & potassium.	0.10 lb	12.80 oz.	4.356 Gallons
3.5-0-11 Plant available potassium nitrate that enhances traffic wear tolerance of turf. Protects turf to be disease resistant.	0.10 lb	11.64 oz.	3.960 Gallons
9-9-9 Completely balanced fertility blend ideal for overseeding or grow-in applications.	0.10 lb	14.22 oz.	4.840 Gallons

All Pumphouse Fertilizers can be blended with any of the following minors and additives. Our blends are tested and blended to ensure nutrient compatibility and reduce settling.

- L-Form Amino Acids
- Iron
- Manganese

SynaTek® is the exclusive distributor of Ecotronics Injection Technologies. Learn more about our Ecotronics technologies on page 4-5 or by visiting us at turfmeetstechnology.com

SYNA-PHITE 0-0-26

SYNA-PHITE 0-0-26 is a highly concentrated soluble nutrient solution containing mono and di-potassium salts of phosphorous acid intended to be used as a supplemental foliar treatment. It is readily absorbed through leaf or root tissue and quickly corrects deficiencies and enhances plant vigor, crop development, quality, and yield. SYNA-PHITE 0-0-26 contains 4.08 pounds of phosphorous acid per gallon.

Application Rates: Tees/greens: 2-6 Oz Per 1,000
Fairways/rough: 1-2 Quarts Per Acre

Partnership Point Value

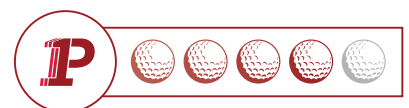


VOLUTION Si10

Volution Si 10 is a 10% supplemental silica source compatible with low pH tank mixes and most common pesticides and fertilizers. **Volution Si 10** provides a supplemental plant-available silica which serves to physically harden and protect the plant from stress and physical damage. Increasing soluble silica in plant tissue has shown beneficial growth, health and production responses within plants as well as enhancing post-harvest quality.

Available Sizes: 2.5 Gallon, 250 Gallon Tote
Application Rates: 1-3 oz per 1,000 sq.ft. every 7-14 days

Partnership Point Value

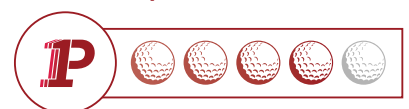


SEAWEED SUPREME

Syna-Kelp is a supplemental Potassium fertilizer designed to prevent and/or cure nutrient deficiencies in plants and crops. Syna-Kelp is enhanced with 25% Ascophylum Nodosum contains a natural source of potassium.

Available Sizes: 2.5 Gallon, 250 Gallon Tote
Application Rates: Green/Tees: 0.5 - 1.5 oz per 1,000 sq.ft
Fairways/Rough: 1.5 - 6 oz per 1,000 sq.ft

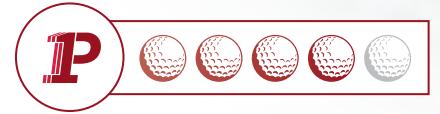
Partnership Point Value



MICROPLUS FE

CHELATED IRON

Partnership Point Value



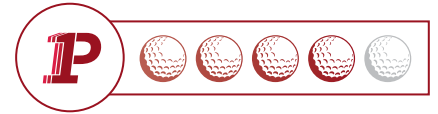
MicroPlus FE is a premium liquid chelated iron that ensures both ease of application and a very rapid plant response. Microplus is highly compatible with plant protection materials and liquid fertilizers.

Application Rates

Rate: 1.5oz/1000 sq.ft.



Partnership Point Value



6-20-5 w/Micros

6-20-5 is a ready to use fertilizer that helps in improving tolerance to late season growing stresses. It contains added EDTA micronutrients and carboxylic acids that promote early season plant root development. 6-20-5 contains proprietary additives that is a plant nutrient solution. 6-20-5 improves quality and production for a wide range of turf and ornamental practices

Application Rates

Rate: 1.5oz/1000 sq.ft.



Product	Unit of Measure	Delivery Quantity	
2-0-12 PumpHouse®	Bulk Ton	5 Tons	36
9-9-9 PumpHouse®	Bulk Ton	5 Tons	64
10-0-10 PumpHouse®	Bulk Ton	3 Tons	37
3.5-0-11 PumpHouse®	Bulk Ton	5 Tons	54
14-4-9 FertAminos® (50% SCRN)	Bulk Gallon	200 Gallons	1
16-0-8 FertAminos® w/Fe (50% SCRN)	Bulk Gallon	200 Gallons	1
16-3-3 Arbor Flo® (50% CRN)	Bulk Gallon	200 Gallons	1
20-0-3 Turf Flo® (50% SCRN)	Bulk Gallon	200 Gallons	1
20-0-5 Turf Flo® (35% CRN)(50% NBN)(2% Fe)	Bulk Gallon	200 Gallons	1

Product	Unit of Measure	Purchase Increment	
10-0-10 FertAminos® (50% SCRN)	2.5 Gallon	1	3
10-0-10 FertAminos® (50% SCRN)	55 Gallon Drum	1	57
10-0-10 FertAminos® (50% SCRN)	250 Gallon Tote	1	238
14-4-9 FertAminos® (50% SCRN)	2.5 Gallon	1	3
14-4-9 FertAminos® (50% SCRN)	55 Gallon Drum	1	58
14-4-9 FertAminos® (50% SCRN)	250 Gallon Tote	1	240
16-0-8 FertAminos® w/Fe (50% SCRN)	2.5 Gallon	1	3
16-0-8 FertAminos® w/Fe (50% SCRN)	55 Gallon Drum	1	53
16-0-8 FertAminos® w/Fe (50% SCRN)	250 Gallon Tote	1	220
9-18-5 Root Flo	2.5 Gallon	1	2
9-18-5 Root Flo	55 Gallon Drum	1	29
9-18-5 Root Flo	250 Gallon Tote	1	115



Product	Unit of Measure	Purchase Increment	P
16-3-3 Arbor Flo® (50% CRN)	2.5 Gallon	1	3
16-3-3 Arbor Flo® (50% CRN)	55 Gallon Drum	1	50
16-3-3 Arbor Flo® (50% CRN)17-0-5 (100% UN)	250 Gallon Tote	1	205
17-0-5 Turf Flo® Quick Release	2.5 Gallon	1	1
17-0-5 (100% UN) Turf Flo® Quick Release	55 Gallon Drum	1	19
17-0-5 (100% UN) Turf Flo® Quick Release	250 Gallon Tote	1	69
19-0-4 Turf Flo® (35% CRN) w/ TriForce	2.5 Gallon	1	2
19-0-4 Turf Flo® (35% CRN) w/ TriForce	55 Gallon Drum	1	32
19-0-4 Turf Flo® (35% CRN) w/ TriForce	250 Gallon Tote	1	126
20-0-3 Turf Flo® (50% SCRN)	2.5 Gallon	1	3
20-0-3 Turf Flo® (50% SCRN)	55 Gallon Drum	1	46
20-0-3 Turf Flo® (50% SCRN)	250 Gallon Tote	1	189
20-0-5 Turf Flo® (35% CRN) (50% NBN)(2% Fe)	2.5 Gallon	1	3
20-0-5 Turf Flo® (35% CRN) (50% NBN)(2% Fe)	55 Gallon Drum	1	53
20-0-5 Turf Flo® (35% CRN) (50% NBN)(2% Fe)	250 Gallon Tote	1	219
28-0-0 Turf Flo® (72% CRN) (100% NBN-X)	2.5 Gallon	1	2
28-0-0 Turf Flo® (72% CRN) (100% NBN-X)	55 Gallon Drum	1	37
28-0-0 Turf Flo® (72% CRN) (100% NBN-X)	250 Gallon Tote	1	109
SynaPhite	2.5 Gallon	1	4
SynaPhite	250 Gallon Tote	1	321
Volution Si 10	2.5 Gallon	1	3
Volution Si 10	250 Gallon Tote	1	225

Product	Unit of Measure	Purchase Increment	P
SeaWeed Supreme	2.5 Gallon	1	4
Seaweed Supreme	250 Gallon Tote	1	348
MicroPlus FE	2.5 Gallon	1	2
MicroPlus FE	250 Gallon Tote	1	137
6-20-5 w/Micros	2.5 Gallon	1	3
6-20-5 w/Micros	250 Gallon Tote	1	190



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