



SHUTTLE 14

SHUTTLE14

Shuttle14 is a representation and culmination of industry needs and requirements. Driven by intrinsic need to push industries forward and to change the current climate in specialty fertility, Shuttle14 brings new technologies and strategies forward to our markets.

Shuttle14's company mission is to build innovative, unique and technological products for end users. Executing this charge has been both challenging and rewarding as it creates incredible insight on product formulation, possibilities and results. Shuttle14's driving focus is to bring the newest plant health technologies that markets have to offer to our B2B distribution network. Some of these technologies include amino/protein complexing, immediately plant available carbon sources, integrated pH buffering and target specific nomenclature. As Shuttle14 drills further into product development, it is clear that plant health and user effectiveness is at the forefront of our minds. Secondary to building out these new products is the market impact strategy of Shuttle14 to develop and engage industry. What makes Shuttle14 unique as a business operation is how it places the customer first when moving through its decision-making process. This means every choice is based on whether it can encompass customer benefit first, then, moves through our remaining management matrix of company strategy. Leading in this manner safeguards building a company that operates beyond quarterly results and prioritizes the long-term future of Shuttle14 clients and business.

The current Shuttle14 product line consists of products ranging from foliar and granular fertilizers to surfactants, soil conditioners and utility products. At the core of this product spread is a first-to-Canada organically derived fertilizer line. Complementing this, we take pride in knowing all products, packaging and labour supply chains are within North America borders. Shuttle14 is fully committed to ensuring that products are developed and manufactured to the highest standards possible. Delivering premium health and growing conditions for Specialty Operators is our never-ending goal. With experts in the field, Shuttle14 provides reliable consultation, advice and expertise to ensure optimal product recommendations and support to our customers.





PH BUFFER

Designed with intent, core products are balanced to control tank and spray pH. This reduces user error potential and ensures all sprays are being applied in optimal fashion.



AMINO CITRIC COMPLEX

New to industry, our amino citrate complexing technology creates a holistically balanced and neutral ion. Utilizing plant based amino acids, we combine citric complexing with amino acid structures to balance our cations. This optimizes foliar uptake potential, tank reactions, and environmental impact.



FORTIFY

Fortify represents a combination of plant health nutrients specifically designed to optimize plant health. Amino acids, proteins, and antioxidants introduced to a plant system ensures your plants can go further with less.



CARBOHYDRATES

Part of our core nutrient packages, carbohydrates are the end result goals of all plants. Introducing the smallest carbon chain option possible to a plant system allows for re-allocation of carbohydrates for plant health. Our degraded carbohydrate packages ensure the balance of plant and soil health.



KELP

As industry knows, kelp products play a major role in offering hormone balancing for plant health. Especially important when managing a system that is limited, kelp promotes root and shoot growth. Kelp products have a proven track record in reducing senescence of leaves.



SURFACTANT

A key equation of root health and respiration is oxygen and water combined with soil. Shuttle14 has various products that utilize either organic or polymer-based water tension reducers. These tools help drive root health and allow managers to control water in controlled manners.



GROWTH

At times, all that matters is maximal growth potential of your plants. With our growth-based products, we optimize balances of nutrients with the intent of pure growth in mind. Temperature, weather, planttypes, all play a role in how to calculate growth potential. We've optimized products for efficiency in growth within these constraints.

RECOVERY

Built with a singular purpose, recovery sprays regenerate cells and promote growth. Doing so with performance in mind, recovery sprays bring you back from stressed or created damage environments rapidly and sustainably



APPLICATION RATE
3 OZ/1000FT² | 90 ML/100M²

PERFORMANCE

Performance sprays are designed and created to drive plant health while limiting growth. Combining compounds in this spray promote controlled leaf tissue growth while also reducing senescence.



APPLICATION RATE

3 OZ/1000FT²
90 ML/100M²

3 OZ/1000FT²
90 ML/100M²

2 OZ/1000FT²
60 ML/100M²

3 OZ/1000FT²
90 ML/100M²

WINTER PREPARATION

Preparation for winter can be complex as we consider elemental movement and plant health. These fall sprays are built to drive prepared sugars into sink sites while increasing stress and cold tolerance. These are the last nutrients your plants see before winter. Make them count.



APPLICATION RATE
3 OZ/1000FT² | 90 ML/100M²

SHADE TOLERANCE

When sunlight is limiting any plant system, sugar production is limited. This is the primary function that drives need to build and manage shade tolerance plants and nutrients. In this spray, we introduce huge amino acid, protein, and sugar loads to help combat reduced production potential. Follow this up with elements that will promote chlorophyll production and you have a magical spray.



APPLICATION RATE
3 OZ/1000FT² | 90 ML/100M²

SUSTENANCE



CONCENTRATED AMINO ACID, PROTEIN, AND CARBOHYDRATE COMPLEX

- ✓ 100% PLANT BASED ORGANIC FORMULATION
- ✓ LEVERAGES 18 L-AMINO ACIDS
- ✓ PLANT BASED PROTEINS FOR SUPPORT
- ✓ EXCELLENT SOURCE OF CARBOHYDRATES

Sustenance is the most advanced plant based nutrient complex, formulated, and optimized specifically to drive plant health. Sustenance is a powerhouse of targeted nutritional delivery utilizing highly concentrated bioavailable sources of amino acids, humates and carbohydrates. Sustenance is engineered to aid in many crucial plant functions ranging from: internode elongation to the chlorophyll production, whilst delivering readily available carbohydrates for use by plants and soil microbes alike.



PH BUFFER



AMINO CITRIC COMPLEX



FORTIFY



CARBOHYDRATES

GUARANTEED ANALYSIS:

Total Nitrogen (N)	2%	Iron (Fe)	0.25%
Available Phosphate (P2O5)	2%	Magnesium (Mg)	0.1%
Soluble Potash (K2O)	2%	Boron (B)	0.05%

DERIVED FROM: Fermented Vegetables, Fermented Plant Products, Soy Protein Hydrolysate, Ferrous Sulfate, Magnesium Sulfate and Borax



SPRING N

IMMEDIATE RELEASE NITROGEN + HUMATES

- ✓ IMMEDIATELY AVAILABLE NITROGEN FOR "GREEN-UP"
- ✓ SUPPLEMENTARY HUMATES TO PROMOTE SOIL HEALTH

Spring N is a blend of fast-acting nitrogen sources designed to promote continued growth and encourage rapid "green up", while supplementary humates support soil health and help improve plant stress tolerance. Spring N can be used to treat nitrogen deficient soil, or as part of a maintenance plan.

APPLICATION RATE

3 OZ/1000FT2 | 90 ML/100M2

OPTIMIZED FOR GROWTH HIGHLY-BIOAVAILABLE PHOSPHORUS

Growth is a premium fertilizer engineered to rapidly improve plant health and encourage continued growth. High-purity humates and biostimulants help to improve plant stress tolerance, encourage root development and assist in nutrient utilization.

APPLICATION RATE

3 OZ/1000FT2 | 90 ML/100M2



GROWTH

COLOUR



CONCENTRATED HYBRID-AMINO ACID AND CARBOHYDRATE COMPLEX + MINORS

- ✓ PURPOSE-BUILT TO ENHANCE COLOUR
- ✓ FULLY BALANCED COMPLEXING OF ELEMENTS
- ✓ EXCELLENT SOURCE OF AMINO ACIDS AND PROTEINS
- ✓ 100% PLANT DERIVED MACROS

Colour is a 100% organic formulation which leverages the latest technologies in nutrient fermentation and enzymatic processing. Colour is a low-nitrogen formulation engineered specifically to promote rapid and sustained green-up without encouraging unwanted, excessive growth.



PH BUFFER



AMINO CITRIC COMPLEX



FORTIFY



CARBOHYDRATES

GUARANTEED ANALYSIS:

Total Nitrogen (N)	1%	Iron (Fe)	4%
Available Phosphate (P205)	1%	Manganese (Mn)	1%
Soluble Potash (K2O)	1%	Copper (Cu)	0.1%

DERIVED FROM: Fermented Vegetables, Fermented Plant Products, Ferrous Sulfate, Manganese Sulfate, Copper Sulfate



SUMMER N

NITROGEN + HUMIC & FULVIC

- ✔ IMMEDIATELY-AVAILABLE NITROGEN SOURCES FOR RAPID “GREEN UP”
- ✔ SLOW RELEASE NITROGEN SOURCES FOR SUPERIOR LONGEVITY
- ✔ SUPPLEMENTARY HUMIC AND FULVIC ACID SOURCES TO PROMOTE SOIL HEALTH

Summer N is a premium fertilizer engineered to rapidly improve plant health, promote green up and encourage continued growth. Summer N can be used to treat nitrogen deficient soil, or as part of a maintenance plan. In addition to immediately-available nitrogen, Summer N also contains slow-release nitrogen sources for extended longevity and continued nutrient uptake all whilst supplementary a supplementary humic and fulvic acid complex help to promote better soil health and stress tolerance.

APPLICATION RATE

3 OZ/1000FT² | 90 ML/100M²

PHOSPHOROUS-FREE + HUMATES

- ✔ 100% PHOSPHORUS-FREE
- ✔ NITROGEN FOR CONTINUED GROWTH
- ✔ POTASSIUM TO PROMOTE INCREASED STRESS TOLERANCE
- ✔ SUPPLEMENTARY HUMATES FOR SOIL AND ROOT HEALTH

Maintenance is engineered to sustain plant health across seasons as part of a managed program. Maintenance acts a critical nitrogen and potassium source while delivering supplementary humates to encourage better soil and root health.

APPLICATION RATE

3 OZ/1000FT² | 90 ML/100M²



MAINTENANCE

ROOTING



ORGANIC NUTRIENTS FOR ROOT HEALTH

- ✓ 100% ORGANIC PLANT BASED MACROS
- ✓ HIGHLY-CONCENTRATED
- ✓ COMPLEX OF PLANT-DERIVED PROTEINS
- ✓ CONTAINS 18 L-AMINO ACIDS
- ✓ EXCELLENT SOURCE OF CARBOHYDRATES
- ✓ SUPPLEMENTARY HYBRID
- ✓ COMPLEXED MICRONUTRIENT PACKAGE

Rooting is an advanced, 100% organic nutrient solution engineered and optimized specifically to bolster root health. Rooting leverages multiple methods of action ranging from highly-bioavailable plant-derived macronutrients, plant-derived proteins, plant-derived carbohydrates and Amino/Citric complexed micronutrients to provide an unparalleled and holistic nutrient package for root health.



PH BUFFER



AMINO CITRIC COMPLEX



FORTIFY



CARBOHYDRATES

GUARANTEED ANALYSIS:

Total Nitrogen	3%	Calcium (Ca)	2%
Available Phosphate (P205)	1%	Iron (Fe)	0.25%
Soluble Potash (K2O)	2%	Manganese (Mn)	0.10%

DERIVED FROM: Fermented Vegetables, Fermented Plant Products, Soy Protein Hydrolysate, Calcium Carbonate, Ferrous Sulfate and Manganese Sulfate.



CAFLUSH

SALT MANAGEMENT TECHNOLOGY

CaFlush is designed to remedy soils that are high in salts and bicarbonates and/or are irrigated with marginal water.

These soil conditions generally result in poor water infiltration, low nutrient availability and poor turf vigour which prevent turf from responding adequately, resulting in increased fertilizer demand. Applying CaFlush as part of an overall salts management program reduces bonds of calcium carbonates and calcium phosphates so that free CALCIUM (Ca^{++}) displaces Sodium (Na^+) and other salts on soil exchange sites. CaFlush dissociates chemical bonds and frees CALCIUM in water and soils under hydration in order to "flush" soils for removing any build-up of salts and to re-charge gravitational and capillary water in most soil types.

Water infiltration in most soils will improve and solubility of minerals and nutrients will increase. Increased CALCIUM availability will also buffer soil pH. Soil Nutrient Base Saturation ratios will become more balanced and anions such as sulfates, will stabilize. CaFlush is a soil amendment and it does not contain any plant nutrients nor are there any phytotoxic effects on plants.

POTASSIUM, MAGNESIUM + KELP

- ✓ 100% PHOSPHORUS-FREE
- ✓ HIGHLY BIOAVAILABLE POTASSIUM TO PROMOTE INCREASED STRESS TOLERANCE
- ✓ SUPPLEMENTAL ASCOPHYLLUM NODOSUM

Harden is formulated from the ground up to increase plant stress tolerance and fortification. Harden leverages highly bioavailable potassium, magnesium and cytoauxins derived from *Ascophyllum nodosum* to bolster plant health.

APPLICATION RATE

3 OZ/1000FT² | 90 ML/100M²



HARDEN

REMEDY



2.5 GALLON NET CONTENTS

ADVANCED BIOSTIMULANT COMPLEX

- ✓ EXCELLENT SOURCE OF PLANT HORMONES: CYTOKINENS, AUXINS, GIBBERELLINS AND BETAINES
- ✓ HIGHLY BIOAVAILABLE HUMIC ACID
- ✓ IMPROVES NUTRIENT UPTAKE
- ✓ INCREASES CATION EXCHANGE CAPACITY (CEC)
- ✓ NON-PHYTOTOXIC

Remedy is a balanced biostimulant and nutrient blend engineered to rapidly improve plant health and soil quality.

Remedy leverages multiple technologies and methods of action to ensure excellent performance and improve several areas relating to plant and soil health:

The highly bioavailable humic acid contained in Remedy increases cation exchange capacity for dramatically improved nutrient uptake, while potent biostimulants encourage root growth and stronger cell wall formation. Additionally, soil structure balance is also improved by increased microbial populations (especially Mycorrhiza) which aides in thatch decomposition, all while chelated iron promotes rapid green up.

CATEGORY	RATE	WATER VOLUME	TIMING
GOLF COURSES & SPORTS TURF	3 OUNCES PER 1,000 SQ. FT.	2 TO 4 GALLONS	MONTHLY

CONTAINS:

Humic Acids	10%
Organic seaweed extract	5%
Iron (Fe)	3.5%
Soil Surfactant Blend	30%

INFILTRATE



ADVANCED PENETRANT

- ✓ 100% ACTIVE FORMULATION
- ✓ EXCELLENT PENETRATION PERFORMANCE
- ✓ ALLOWS FOR LOWER USE RATES

Contains: Polyethylene glycol, White mineral oil

Infiltrate is a Hyper-concentrated penetrant which leverages specialty, long-chain wetting agent technology to offer unparalleled water movement and control.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see SDS) Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Wear protective gloves. If swallowed: Immediately call a poison center/doctor.



Application: Shake well before use.

Use rates: When using Infiltrate as a standalone penetrant an initial application rate of 2 gallons per acre is recommended, followed by 1 gallon per acre for maintenance.

CAFLUSH



SALT MANAGEMENT TECHNOLOGY

CaFlush is designed to remedy soils that are high in salts and bicarbonates and/or are irrigated with marginal water.

These soil conditions generally result in poor water infiltration, low nutrient availability and poor turf vigor which prevent turf from responding adequately, resulting in increased fertilizer demand. Applying CaFlush as part of an overall salts management program reduces bonds of calcium carbonates and calcium phosphates so that free CALCIUM (Ca++) displaces Sodium (Na+) and other salts on soil exchange sites. CaFlush dissociates chemical bonds and frees CALCIUM in water and soils under hydration in order to "flush" soils for removing any build-up of salts and to re-charge gravitational and capillary water in most soil types.

Water infiltration in most soils will improve and solubility of minerals and nutrients will increase. Increased CALCIUM availability will also buffer soil pH. Soil Nutrient Base Saturation ratios will become more balanced and anions such as sulfates, will stabilize. CaFlush is a soil amendment and it does not contain any plant nutrients nor are there any phytotoxic effects on plants.

NON -PLANT FOOD INGREDIENTS

Specialty blend of short chain carbon quaternary of organic carboxylic acid, organic amine, soil penetrants and re-wetting technology	45%
Inert Ingredients	55%

Sprayable: All conventional spray equipment can be used to apply CaFlush over the top of turf.

Curative: Correcting salt impacted soils: 20 ounces/acre or 4ppm in 2-4 gallons of water as a carrier for boom spray applications. CaFlush may be tank mixed. Refer to all tank mixed product labels for proper application Jar test for compatibility is recommended.

Maintenance: 16 ounces/acre or 2-4ppm in 2-4 gallons of water as a carrier for boom spray applications.

Injectable Irrigation Treatment: CaFlush can be used in all standard injection equipment used by turf managers.

Fertigation with fertilizers: Add CaFlush to liquid fertilizer bulk tank at a rate based on tank size:

REPRIEVE



ULTRA-PERFORMANCE WETTING AGENT

- ✓ NON-IONIC
- ✓ TREATS SOIL HYDROPHOBICITY
- ✓ LOWERS SURFACE MOISTURE VALUES
- ✓ INCREASES WATER PENETRATION
- ✓ NON-PHYTOTOXIC

Reprieve is a performance soil surfactant formulated specifically to increase plant health by treating soil hydrophobicity and promoting uniform moisture access on a rootzone-level. Reprieve excels at treating localized dry spots (LDS) and relieving stress in drought-stricken turf.

Reprieve is best applied as part of a managed application program. Consult with your Shuttle14 specialist to determine your best application approach.

CEC VALUE	APPLICATION RATE
CEC <8	30Z/1000FT ² 90ML/100M ²
CEC >8	20Z/1000FT ² 60ML/100M ²

Reprieve should be watered in within 18 hours of application to ensure the product is properly placed in the soil profile. There is no need to immediately water behind the application of Reprieve as Reprieve is non-phytotoxic.

AMINO QUENCH



SHUTTLE 14



WATER CONSERVER

- ✓ NON-PHYTOTOXIC
- ✓ NON-IONIC
- ✓ REDUCES WATER USAGE
- ✓ LOW USE-RATES
- ✓ INCREASES WATER PENETRATION
- ✓ TREATS SOIL HYDROPHOBICITY

Amino Quench is an economical, non-ionic, wetting agent engineered specifically to aid in large-scale water conservation efforts. Amino Quench works by reducing water surface tension and increasing penetration, resulting in more water being made available to a plant's root zone, thereby reducing the amount of water needed to maintain plant health by as much as 30%.

Amino Quench is best applied as part of a managed application program. Amino Quench is compatible with a wide range of turf products and can be tank-mixed with other materials during application, these include: nutrients, biostimulants, fungicides and insecticides.

CEC VALUE	APPLICATION RATE
CEC <8	3 OZ/100FT ² 90 ML/100M ²
CEC >8	2 OZ/100FT ² 60 ML/100M ²

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WARRANTY: SELLER WARRANTS THAT THIS PRODUCT CONFORMS TO ITS CHEMICAL DESCRIPTION AND IS REASONABLY FIT FOR THE PURPOSE STATED ON THE LABEL WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL CONDITIONS OF USE; BUT NEITHER THIS PRODUCT NOR ANY OTHER WARRANTY OF MERCHANTABILITY OR FITNESS OF A PARTICULAR PRODUCT EXPRESSED OR IMPLIED, EXTENDS TO THE USE OF THIS PRODUCT CONTRARY TO LABEL CONDITIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE TO THE SELLER AND THE BUYER ASSUMES THE RISK OF ANY SUCH RISK.

AMINO SHUTTLE PUCKS

100% NEUTRAL BLEND OF POLYHYDROXYETHYL ALKOXY ALKYLENE OXIDES AND NATURALLY-DERIVED L-AMINO ACIDS

100% ACTIVE / NON-PHYTOTOXIC / TREATS SOIL HYDROPHOBICITY
INCREASES WATER EFFICIENCY / COMBATS LDS
COMPATIBLE WITH ALL TYPES OF TURF

Amino Shuttle Pucks are 100% active wetting agent Pucks which combine the industry-leading penetration, spreading and rewetting properties found in Reprive with cutting edge amino acid technology.

Amino Shuttle Pucks excel at treating localized dry spots and hydrophobic soil media, while also delivering a highly efficacious blend of 18 naturally-derived L-Amino acids directly to the root system. This specialty blend helps to increase nutrient uptake, and promote the production and storage of carbohydrates leading to increased stress tolerance.

AMINO ACIDS:

L-ALANINE L-HISTIDINE L-PROLINE
L-ARGININE L-ISOLEUCINE L-SERINE
L-ASPARTIC ACID L-LEUCINE L-THREONINE
L-CYSTEINE L-LYSINE L-TRYPTOPHAN
L-GLUTAMIC ACID L-METHIONINE L-TYROSINE
L-GLYCINE L-PHENYLALANINE L-VALINE





BLUE POND DYE

BLUE POND DYE

- ✓ SAFE FOR HUMANS, PETS, FISH, BIRDS AND LIVESTOCK
- ✓ ENHANCES WATER COLOUR OF PONDS, LAKES AND WATER FEATURES
- ✓ HIGHLY CONCENTRATED
- ✓ IMPROVES WATER CLARITY
- ✓ FILTERS UV RAYS

Blue Pond Dye is a safe, ultra-concentrated pond dye formulated to enhance the colour of lakes, ponds and other water features. Blue Pond Dye creates a vibrant, yet natural blue that naturally disperses through self-contained bodies of water.

A SINGLE GALLON OF BLUE POND DYE TREATS ONE SURFACE ACRE OF WATER AT A DEPTH OF 4 TO 6 FEET (APPROXIMATELY 1,500,000 GALLONS OF VOLUME).

BLACK POND DYE

- ✓ SAFE FOR HUMANS, PETS, FISH, BIRDS AND LIVESTOCK
- ✓ ENHANCES WATER COLOUR OF PONDS, LAKES AND WATER FEATURES
- ✓ CREATES A VIBRANT, HIGHLY-REFLECTIVE BLACK SURFACE
- ✓ HIGHLY CONCENTRATED
- ✓ IMPROVES WATER CLARITY
- ✓ FILTERS UV RAYS

Black Pond Dye is a safe, ultra-concentrated pond dye formulated to enhance the colour of lakes, ponds, fountains and other water features. Black Pond Dye creates a vibrant black, mirror-like surface allowing for breathtaking reflections in nearly any water feature. Black Pond Dye is formulated to naturally disperse through self-contained bodies of water.

A SINGLE GALLON OF BLUE POND DYE TREATS ONE SURFACE ACRE OF WATER AT A DEPTH OF 4 TO 6 FEET (APPROXIMATELY 1,500,000 GALLONS OF VOLUME).



BLACK POND DYE

SHUTTLE GREEN



TURF PIGMENT

- ✓ LOW PER-ACRE COST
- ✓ LOW USAGE RATES
- ✓ TREATS UP TO 16 ACRES PER GALLON VIVID, YET NATURAL GREEN
- ✓ EXCELLENT ALTERNATIVE TO OVER-SEEDING
- ✓ NON-PHYTOTOXIC
- ✓ NON-CORROSIVE

Shuttle Green is an ultra-concentrated turf colorant which leverages proprietary pigment and dye technology to offer excellent colour and longevity. Shuttle Green was formulated to be a cost-effective solution for improving turf colour during the fall and winter.

APPLICATION:

Apply Shuttle Green at a rate of 8 to 24 ounces per acre. The suggested starting rate for Shuttle Green is 16 ounces per acre, however higher or lower dilutions can be used to achieve desired results.

Shuttle Green was formulated to be compatible with a wide-range of spray solutions and is readily tank-mixable.

For best results apply Shuttle Green prior to turf dormancy and in temperatures above 55° Fahrenheit.



ANTI-FOAM

DEFOAMING AGENT

- ✓ HYPER-CONCENTRATED
- ✓ LOW USE RATES
- ✓ INCREASES FILLING AND SPRAYING EFFICIENCY
- ✓ COMPATIBLE WITH A WIDE RANGE OF FERTILIZERS AND PESTICIDES

Anti-Foam is a hyper-concentrated defoaming agent formulated specifically for use in the agricultural, ornamental and turf markets. Anti-Foam works by reducing surface tension on contact, eliminating the conditions under which foam can form.

APPLICATION

Anti-Foam can be used both as a treatment for existing foam, or as a preventative measure to inhibit further foam formation.

A typical application of Anti-Foam is 2 to 4 ounces per 100 gallons of tank capacity. However, additional Anti-Foam can be applied as needed.

NON-AMMONIATED TANK CLEANER

- ✓ REMOVES HERBICIDE DEPOSITS
- ✓ DEACTIVATES RESIDUE LEFT BEHIND BY A WIDE RANGE OF HERBICIDES
- ✓ CAN BE USED WITH: TANKS, BOOMS, HOSES, FILTERS AND NOZZLES
- ✓ BREAKS DOWN OILY DEPOSITS

Tank Cleaner is formulated to help deactivate harmful herbicide deposits and residue in spray tanks and equipment, ensuring that they can safely be used for future applications. Given the extreme potency of many herbicides, even minute traces can negatively impact plant health.

Tank Cleaner leverages cutting-edge surfactant and sequesterant technology to penetrate, encapsulate and deactivate residue in spray equipment left behind from a wide range of herbicides including: Glyphosate, 2,4-D, Mecoprop and Triclopyr. Tank Cleaner can also be used to rinse the exterior of spray tanks and equipment.



TANK CLEANER

15-05-15 75% MU



- ✓ CONTROLLED RELEASE NITROGEN
- ✓ 100% WATER DISPERSIBLE

GUARANTEED ANALYSIS:

Total Nitrogen	15%
Available Phosphate	5%
Available Potash	15%
Iron (Fe)	2%
Magnesium (Mg)	2%
Manganese (Mn)	0.5%

DERIVED FROM: Methylene Urea, Urea, Monoammonium Phosphate, K-Mag, Sulfate of Potash, Dolomite Lime, Iron Oxysulfate, Manganese Sulfate, Kelp and Humates

HUMIC AND OTHER INGREDIENTS

Humic Acid	1.3%
Kelp	2%

SUGGESTED APPLICATION RATES

3.33lbs Product
per 1000ft²

WATER IN THOROUGHLY AFTER APPLICATION

Always use caution when fertilizing golf course greens, especially greens exposed to heavy play and warm weather.

IMPORTANT - READ BEFORE USE:

SUGGESTED SPREADER SETTINGS:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Lia

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.

SPREADER SETTINGS				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 3.75 LBS /1,000 SQ FT	MEDIUM RATE 6.25 LBS /1,000 SQ FT
AccuPro 2000	3 mph	10 feet	J 3/4	L 1/2
Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Sries)	4.5 mph	24 feet	22	26



WARNING
HARMFUL IS SWALLOWED MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION MAY CAUSE RESPIRATORY IRRITATION

10-10-10 50% MU



- ✓ CONTROLLED RELEASE NITROGEN
- ✓ 100% WATER DISPERSIBLE

GUARANTEED ANALYSIS:

Total Nitrogen	10%
Available Phosphate	10%
Available Potash	10%
Iron (Fe)	2%
Magnesium (Mg)	2%
Manganese (Mn)	0.5%

DERIVED FROM: Methylene Urea, Urea, Citrosoil, Monoammonium Phosphate, K-Mag Sulfate of Potash, Iron Oxsulfate, Manganese Sulfate, Kelp and Humates.

INCLUDES NON-PLANT FOOD INGREDIENTS:

Humic Acid	1.3%
Kelp	2%

SUGGESTED APPLICATION RATES

3.33 lbs Product
per 1000ft²

WATER IN THOROUGHLY AFTER APPLICATION

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Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Sries)	4.5 mph	24 feet	22	26



WARNING
HARMFUL IS SWALLOWED MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION MAY CAUSE RESPIRATORY IRRITATION

05-02-05 ORGANIC



- ✓ CONTROLLED RELEASE NITROGEN
- ✓ 100% WATER DISPERSIBLE

GUARANTEED ANALYSIS:

Total Nitrogen	5%
Available Phosphate	2%
Available Potash	5%
Iron (Fe)	2%
Magnesium (Mg)	2%

DERIVED FROM: Urea, Citrosoil, Monoammonium Phosphate, K-Mag, Sulfate of Potash, Calcium Hydroxide, Kelp and Humates.

INCLUDES NON-PLANT FOOD INGREDIENTS:

Humic Acid	1.3%
Kelp	2%

SUGGESTED APPLICATION RATES

5lbs Product
per 1000ft²

WATER IN THOROUGHLY AFTER APPLICATION

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SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 3.75 LBS /1,000 SQ FT	MEDIUM RATE 6.25 LBS /1,000 SQ FT
AccuPro 2000	3 mph	10 feet	J 3/4	L 1/2
Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Sries)	4.5 mph	24 feet	22	26



WARNING
HARMFUL IS SWALLOWED MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION MAY CAUSE RESPIRATORY IRRITATION

THRIVE 25-03-03



SHUTTLE 14

220 SGN HOMOGENEOUS

30% MU | 20% PLANT BASED ORGANICS | MG | FE | ZN | B | KELP | HUMIC

GUARANTEED ANALYSIS:

Total Nitrogen	25%	Manganese	0.5%
Available Phosphorous	3%	Zinc	0.25%
Available Potash	3%	Boron	0.5%
Magnesium	1%		
Iron	1%		

DERIVED FROM: MU40, Urea, Citro Plant Organics, MAP, K-Mag, SOP, Iron Sulphate, Manganese Sulphate, Zinc Sulphate, Boron

INCLUDES NON-PLANT FOOD INGREDIENTS:

Humic Acid	2%
Kelp	1%

DERIVED FROM: Humate, Kelp meal

SUGGESTED APPLICATION RATES

2.64 - 3 lbs Product per 1000ft²

IMPORTANT - READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product at once. By using this product, the user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability.

SUGGESTED SPREADER SETTINGS:

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.

SPREADER SETTINGS				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 3.75 LBS /1,000 SQ FT	MEDIUM RATE 6.25 LBS /1,000 SQ FT
AccuPro 2000	3 mph	10 feet	J 3/4	L 1/2
Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Series)	4.5 mph	24 feet	22	26



WARNING
 HARMFUL IF SWALLOWED | MAY CAUSE EYE IRRITATION
 MAY CAUSE MILD SKIN IRRITATION | MAY CAUSE RESPIRATORY IRRITATION



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MANUFACTURED:

Warranty: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use; but neither this product nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller and the buyer assumes the risk of any such risk.

THRIVE 16-02-12



SHUTTLE 14

220 SGN HOMOGENEOUS

30% MU | 20% PLANT BASED ORGANICS | CA | MG | FE | ZN | B | KELP | HUMIC

GUARANTEED ANALYSIS:

Total Nitrogen	16%	Manganese	0.5%
Available Phosphorous	2%	Zinc	0.25%
Available Potash	12%	Boron	0.5%
Calcium	0.6%		
Magnesium	2%		
Iron	1%		

DERIVED FROM: MU40, Urea, Citro Plant Organics, MAP, K-Mag, SOP, Calcitic Lime, Iron Sulphate, Manganese Sulphate, Zinc Sulphate, Boron

INCLUDES NON-PLANT FOOD INGREDIENTS:

Humic Acid	1%
Kelp	0.5%

DERIVED FROM: Humate, Kelp meal

SUGGESTED APPLICATION RATES

3.13 – 4.65lbs Product per 1000ft²

IMPORTANT - READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product at once. By using this product, the user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability.

SUGGESTED SPREADER SETTINGS:

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.

SPREADER SETTINGS

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 3.75 LBS /1,000 SQ FT	MEDIUM RATE 6.25 LBS /1,000 SQ FT
AccuPro 2000	3 mph	10 feet	J 3/4	L 1/2
Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Series)	4.5 mph	24 feet	22	26



WARNING
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MAY CAUSE MILD SKIN IRRITATION | MAY CAUSE RESPIRATORY IRRITATION

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THRIVE 25-02-05



SHUTTLE 14

150SGN HOMOGENEOUS

50% MU | 20% PLANT BASED ORGANICS | CA | MG | FE | MN | KELP | HUMIC

GUARANTEED ANALYSIS:

Total Nitrogen	25%	Manganese	0.5%
Available Phosphorous	2%		
Available Potash	5%		
Calcium	0.5%		
Magnesium	2%		
Iron	1%		

DERIVED FROM: MU40, Urea, Citro Plant Organics, MAP, K-Mag, SOP, Calcitic Lime, Iron Sulphate, Manganese Sulphate

INCLUDES NON-PLANT FOOD INGREDIENTS:

Humic Acid	1.4%
Kelp	2%

DERIVED FROM: Humate, Kelp meal

SUGGESTED APPLICATION RATES

2.64 - 3 lbs Product per 1000ft²

IMPORTANT - READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product at once. By using this product, the user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability.

SUGGESTED SPREADER SETTINGS:

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.

SPREADER SETTINGS				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 3.75 LBS /1,000 SQ FT	MEDIUM RATE 6.25 LBS /1,000 SQ FT
AccuPro 2000	3 mph	10 feet	J 3/4	L 1/2
Scotts R8	3 mph	10 feet	I	L 1/4
The Andersons SSD Drop	3 mph	overlap wheels	4 1/4	L 1/4
Lely Models WR, WFG, HR 1240 (PTO @450 rpm)	4.5 mph	30 feet	4 3/4	5 3/4
Vicon (03 Series)	4.5 mph	24 feet	22	26



WARNING
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 MAY CAUSE MILD SKIN IRRITATION | MAY CAUSE RESPIRATORY IRRITATION



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MANUFACTURED:

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Shuttle 14

Barenbrug Product List



**HGT® with RPR®
with Yellow Jacket**
80% KBG and 20% PRG

-  Aggressive Growth
-  Disease Resistant
-  Extremely Traffic Tolerant



**Turf Saver® RTF®
with HGT® & RPR®**
Tall Fescue

-  Self-Repairing
-  Cold Tolerant
-  Drought Tolerant



Shuttle 14 80/20
20% KBG & 80% PRG

-  Economical solution
-  Darker Color
-  Disease Tolerant

RPR and HGT combine forces in this high performance mixture.

With a nearly 1:1 ratio by seed count, it not only jumps out of the gate in establishment, but remain standing after taking a beating by athletes, pets, and other traffic. RPR with HGT has a deep medium green color with an unmatched aggressive spread to bounce back quickly, and quickly green up after a long winter.

This overseeding-based mixture specially formulated with RTF, RPR, and HGT is designed to rapidly repair and protect against extreme environmental effects, adapting to various systems.

The brands within this mix offer top of the line establishment, spring green up to hit the ground running, and peak summer performance to reduce stress and need for additional inputs. It is perfect as an elite overseed option with balanced seed counts of the three species, while each providing benefits of quick recovery through stolon and rhizome production.

Shuttle 14's 80/20 Perennial ryegrass and Kentucky bluegrass mixture offers an affordable solution while maintaining visual quality and performance.

Varieties of both species in this mixture will provide disease resistance and a visually appealing dark genetic color. It will also be able establish quickly and respond well to many of the stresses of summer.



SHUTTLE 14

Learn more about the performance behind these brands:



Contact Shuttle 14 at:
support@shuttle14.com

