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TURF PRODUCTS

The biological objective of turfgrass is to produce long chain complete proteins. When it does not meet this objective, the plant will repeat this process, again and again, often exhausting itself and ultimately leading to plant senescence.

Our philosophy is to build the core health of the plant so it has the energy it needs to defend itself against pathogens and other environmental stressors on its own.



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4 EVER GREEN

4-EVER GREEN is a concentrated iron product with a bio-stimulant package that is excellent for both warm and cool season turf!

Iron and magnesium are the keys to chlorophyll production. Magnesium in particular is often not available in sufficient quantities in many golf course greens.

Scheduled spraying throughout the growing season will assure a lush dark green color, as well as greater resistance to wear and environmental stresses!

GUARANTEED ANALYSIS

Total Nitrogen	-----	12.0%
1.5% Amino Nitrogen		
10.5% Urea Nitrogen		
Magnesium (Mg)	-----	0.75%
Water Soluble Magnesium	-----	0.75%
Iron (Fe)	-----	4.50%

F1915

Derived from: Urea, leather hydrolysate, Magnesium Sulfate, and Ferrous Sulfate heptahydrate

*Always pre-determine spray tank compatibility
With standard quart jar method.*

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





4-EVER GREEN

PROFESSIONAL TURF USE

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Total Nitrogen -----	12.0%
1.5% Amino Nitrogen	
10.5% Urea Nitrogen	
Magnesium (Mg) -----	0.75%
Water Soluble Magnesium -----	0.75%
Iron (Fe) -----	4.50%

F1915

Derived from: Urea, leather hydrolysate, Magnesium Sulfate, and Ferrous Sulfate heptahydrate

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle

Collierville TN 38017

NET CONTENTS: 2.5USG/ 9.45L

20.95 lbs/ 9.52 Kg

We recommend that you follow the Golf Course BMP's at: <http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>

FOR FLORIDA:

DESCRIPTION

4-EVER GREEN is a proprietary auxiliary nutrient formulation designed for foliar application on intensively managed turf grasses such as golf courses and athletic playing fields. It contains antioxidants, amino acids, organic complexes, enzymes, and natural fermented plant extracts. Scheduled spraying throughout the growing season will assure the desired dark green color.

COMPATIBILITY:

Never tank mix with phosphates or amines. Always pre-determine spray tank compatibility with standard quart jar method.

APPLICATION:

Apply as a light foliar mist in 30-50 GPA (285-475 L/Ha). Do not water in or irrigate after application.

GENERAL RECOMMENDATIONS:

For general turf use, apply 1.5-3.0 fl. oz. per 1000 ft^2 . (45-90 ml per 100 m^2). Repeat every 2-3 weeks throughout growing season. For specific iron deficiencies, apply 3-5 fl. oz. per 1000 sq. ft. (90-150 ml per 100 m^2) and repeat in 7-10 days.



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GUARANTEED ANALYSIS
6.5-2-3

Total Nitrogen	6.50%
6.5% Ammoniacal Nitrogen	
Available Phosphoric Acid (P2O5)	2.00%
Soluble Potash (K2O)	3.00%
F1915	
Derived from: Phosphoric Acid, Potassium Phosphate, Ammonium lactate and leather hydrolysate	

COAX-ASR

When any plant is under stress it begins to produce components of Systemic Acquired Resistance in order to overcome invaders such as pathogenic bacteria and fungi.

In most cases, if the plant is mechanically compromised, (low, frequent mowing, etc.) this effect is limited due to the low photosynthetic capacity of the plant.

COAX-ASR is packed with phosphorus acids, amino acid derived nitrogen, and white willow extracts, which helps the turf engage its systemic acquired resistance mechanisms.

It also contains a proprietary low molecular weight carbon synergist for very rapid plant uptake, and fortified with "cytokinin like" bio-stimulants to help mitigate senescence tendencies in your turf!

COAX-ASR can be tank mixed with a wide array of pesticides, but since the effects of the local water source cannot be predicted a standard quart jar test is recommended prior to tank addition.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





COAX-ASR

FOR PROFESSIONAL TURF USE

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

6.5-2-3

Total Nitrogen	6.50%
6.5% Ammoniacal Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	2.00%
Soluble Potash (K ₂ O)	3.00%
F1915	
Derived from: Phosphoric Acid, Potassium Phosphate, Ammonium lactate and leather hydrolysate	

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45liters
26.38lbs/ 11.98 Kg

We recommend that you follow the Golf Course BMP's at: <http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>

FOR FLORIDA:

DESCRIPTION:

COAX-ASR is a proprietary formulation of nutrients sequestered in low molecular weight carbon synergists. It is fortified with natural biostimulants, enzymes, and fermented plant extracts. It is for foliar application to all fine turf grasses and is particularly beneficial under environmental stress conditions that create opportunities for pathogens.

COMPATIBILITY:

COAX-ASR can be tank mixed with a wide array of pesticides, but since the effects of the local water source cannot be predicted a standard quart jar test is recommended prior to tank addition.

HOW TO APPLY:

Apply with any equipment that delivers a fine even mist to the turf. Do not overspray to run off. Allow 4 hours after application before sprinkle irrigating.

GENERAL RECOMMENDATIONS:

Begin applications at the onset of turf stress regardless of causal factors. Repeat on a biweekly basis.

- ❖ Apply 3-5 fl. oz. per 1,000 square feet every two weeks.
- ❖ Extreme stress and disease pressure make initial application of 6.0 fl. oz. per 1,000 square feet and repeat weekly at 3.0 fl. oz. per 1,000 square feet while conditions persist.



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DURA TURF

DURA TURF is a concentrated potassium product, fortified with our proprietary SYNERGIZE C-3 technology to ensure quick and easy access into the plant. It is also loaded with extracts of Irish moss, brown algae, and other fermented plants.

DURA TURF is an excellent choice for all turf types! It is designed to promote health in high wear areas or on compacted soils where potassium availability is compromised. It is also a great product for tournament preparation, or even as a quick potassium supplementation.

GUARANTEED ANALYSIS

44-16

Total Nitrogen	4.00%
1.19% Ammoniacal Nitrogen	
2.81% Urea Nitrogen	
Available Phosphoric Acid (P2O5)	4.00%
Soluble Potash (K2O)	16.00%
F1915	
Derived from: Ammonium Phosphate, Urea, Potassium Thiosulfate	

Dura Turf is compatible with most other nutrient compounds and fungicides, but when compatibility is unknown always pre-test with standard quart jar method prior to tank mixing.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





DURA TURF

FOR PROFESSIONAL TURF USE

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.
AVOID EYE CONTACT.**

GUARANTEED ANALYSIS

4-4-16

Total Nitrogen	4.00%
1.19% Ammoniacal Nitrogen	
2.81% Urea Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	4.00%
Soluble Potash (K ₂ O)	16.00%
F1915	
Derived from: Ammonium Phosphate, Urea, Potassium Thiosulfate	

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45liters
27.25lbs/ 12.39 Kg

We recommend that you follow the Golf Course BMP's at: <http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>

FOR FLORIDA:

DESCRIPTION

DURA TURF is a proprietary formulation of concentrated potassium fortified with a Carbon synergist, (**SYNERGIZE C-3**), enzymes, low molecular weight organic acids, fermented plant extracts, and extract of *Ascophyllum nodosum* and *Chondrus crispus*. It is designed for foliar use on all intensively managed turf grasses. When used as directed, **DURA TURF** is rapidly absorbed by the turf where it is immediately available to support the physiological and biological functions of the grass.

COMPATIBILITY:

DURA TURF is compatible with most other nutrient compounds and fungicides, but when compatibility is unknown always pre-test with standard quart jar method prior to tank mixing.

HOW TO APPLY:

Apply with any equipment that delivers a fine even mist to the foliage of the turf. **DO NOT OVER SPRAY TO RUNOFF.** Allow 5-6 hours after application before watering.

RATE OF APPLICATION:

As general turf maintenance, apply 4-5 fl. oz. per 1,000 square feet as indicated by turf conditions.

- **PRE-TOURNAMENT:** Apply 5-6 fl. oz. per 1,000 square feet.
- **HIGH TRAFFIC AREAS:** Apply 6-8 fl. oz. per 1,000 square feet and repeat at 10-14 days intervals.



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REBOUND

REBOUND is a product fortified with biostimulants that contains a very broad spectrum of critical micro nutrients that are most often deficient in the soils of golf greens and tees, and can be used on both cool and warm season type turf regardless of stress conditions.

REBOUND is an absolute essential component throughout the season as a tank mix component in all sprays on cool season turf types. When used as directed, this product is very effective in turf establishment and recovery from stress conditions.

GUARANTEED ANALYSIS

Magnesium (Mg)	0.50%
Water Soluble Magnesium	0.50%
Boron (B)	0.03%
Sulfur (S)	2.35%
Iron (Fe)	2.50%
Manganese (Mn)	1.75%
Zinc (Zn)	1.50%
Molybdenum (Mo)	0.001%

F1915
Derived from: Magnesium Sulfate, Boric Acid, Ferrous Sulfate heptohydrate, Manganese Sulfate, Zinc Sulfate Monohydrate, and Sodium Molybdate Dihydrate

Always pre-determine tank mix compatibility
With standard quart jar method.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





REBOUND

PROFESSIONAL TURF USE
READ ENTIRE LABEL BEFORE USE
SHAKE WELL BEFORE USE.

GUARANTEED ANALYSIS

Magnesium (Mg) -----	0.50%
Water Soluble Magnesium -----	0.50%
Boron (B) -----	0.03%
Sulfur (S) -----	2.35%
Iron (Fe) -----	2.50%
Manganese (Mn) -----	1.75%
Zinc (Zn) -----	1.50%
Molybdenum (Mo) -----	0.001%

F1915
Derived from: Magnesium Sulfate, Boric Acid, Ferrous Sulfate heptohydrate, Manganese Sulfate, Zinc Sulfate Monohydrate, and Sodium Molybdate Dihydrate

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG/ 9.45L
28.0lbs/ 12.73Kg

DESCRIPTION:

REBOUND is a proprietary formulation of auxiliary plant nutrients designed for use on intensively managed turf such as golf courses and athletic fields. It contains an array of essential nutrients, antioxidants, amino acids, enzymes, natural extracts from sea plants, and diterpine like compounds. When used as directed, REBOUND is very effective in turf establishment and recovery from stress conditions.

COMPATIBILITY:

Always pre-determine tank mix compatibility with standard quart jar method. **DO NOT MIX WITH PHOSPHATES.**

APPLICATION:

Apply as a light foliar mist in 30-50 GPA, (285-475 L/Ha). DO NOT WATER IN.

GENERAL RECOMMENDATIONS:

Begin application within 3 weeks after dormancy break or after daytime temperatures reach 75°F(23°C). Apply 1-1.5 fl. oz. per 1000 f² (30-45 ml/100m²). Repeat every 10-14 days throughout season. For specific deficiency problems, apply 2-4 fl. oz. per 1000 f² (60-120 ml per 100 m²). If problem persists, repeat in 7-10 days.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at:
<http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>



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www.core-nutrients.com



SENEX-TG

SENEX-TG is a unique formulation, in that it accommodates a high percentage of phosphorous and calcium, which not only gives the turf an energy boost, but also supports cell division, cell integrity, and mitigates respiration stress.

What really sets SENEX-TG apart is it is formulated in a way that causes the turf to draw it into the leaf blade itself.

SENEX-TG is also fortified with naturally occurring biostimulant compounds that enable the turf to function properly under extreme environmental stresses.

GUARANTEED ANALYSIS
5-16-4-5Ca

Total Nitrogen	5.0%
4.0% Nitrate Nitrogen	
1.0% Urea Nitrogen	
Available Phosphoric Acid (P2O5)	16.0%
Soluble Potash (K2O)	4.0%
Calcium (Ca)	5.0%
F1915	
Derived from: Urea, Potassium Phosphate, Phosphoric Acid and Calcium Nitrate	

Senex-TG will lower spray tank pH & could affect some products. Conduct a standard jar test prior to spray tank addition.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017



ProTea

SENEX-TG
PROFESSIONAL TURF FORMULA

DESCRIPTION:
SENEX-TG is a proprietary formulation of major and secondary nutrients designed for ideal supplementation of naturally managed turf grasses. Nutritional components promote fast recovery, cell division, and mitigate respiration stress. SENEX-TG is fortified with natural biostimulant compounds (plant enzymes, and specific enzymes) which aid in absorption.

COMPATIBILITY:
SENEX-TG is compatible with many other nutritional compounds, insecticides, and fungicides. It will not be used to treat the turf, only pH and could affect compatibility with some compounds. Always check compatibility with standard turf products prior to tank mixing.

APPLICATION:
Apply with any equipment that allows material to be in the filter area to place foliage. Best results will be realized with spray volumes of 20-40 GPA, with 120-150 psi.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that the material conforms to the Guaranteed Analysis and is available for use as described. No other warranty is made, either expressed or implied. Buyer and user hereby, by purchase and use, accept the terms and conditions of this warranty, including, but not limited to, the following:

CAUTION:
Keep out of reach of children. Hazard if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contact with skin and clothing. Store this material in a cool, dry place.

NET CONTENTS: 28.500 L (6.6) gal. 16.900 kg (37.3) lbs.

FOR FLORIDA:
We recommend that you follow the Golf Course BMP at: www.floridagolf.com



**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

5-16-4-5Ca

Total Nitrogen -----	5.0%
4.0% Nitrate Nitrogen	
1.0% Urea Nitrogen	
Available Phosphoric Acid (P2O5) -----	16.0%
Soluble Potash (K2O) -----	4.0%
Calcium (Ca) -----	5.0%
F1915	
Derived from: Urea, Potassium Phosphate, Phosphoric Acid and Calcium Nitrate	

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45L
28.2 lbs/ 12.82 Kg

We recommend that you follow the Golf Course BMP's at: <http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>

FOR FLORIDA:

SENEX-TG

PROFESSIONAL TURF FORMULA

DESCRIPTION:

SENEX-TG is a proprietary formulation of major and secondary nutrients designed for foliar supplementation of nutrition on intensively managed turf grasses. Nutritional components provide for turf energy, cell division, and mitigate respiration stress. **SENEX-TG** is fortified with natural fermentation extracts, plant enzymes, and specific organic acids that aid in absorption.

COMPATIBILITY:

SENEX-TG is compatible with many other nutritional compounds, insecticides, and fungicides. It will tend to lower the tank mix pH and could affect compatibility with some compounds. Always check compatibility with standard quart jar method prior to tank mixing.

APPLICATION:

Apply with any equipment that delivers material as a fine foliar mist to plant foliage. Best results will be realized with spray volumes of 20-40 GPA, (60-120 fl. oz. per 1,000f²).

RATES AND DIRECTIONS:

- ❖ **Athletic Playing Fields:** Apply 1.0-1.25 fl. oz. per 1,000f² early in the growing season and repeat every 14-21 days at 0.75-1.0 fl. oz. per 1,000f² throughout active growing season.
- ❖ **Golf Greens and Tees:** Apply 0.75-1.0 fl. oz. per 1,000f² in early spring and repeat every 12-14 days throughout season.
- ❖ **Fairways:** Apply 0.75-1.0 fl. oz. per 1,000f² every 21-28 days throughout growing season
- ❖ **Sod Farms:** Apply 2-3 pints per acre in early spring and repeat as needed throughout growing seasons.



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TRU-PRO

TRU-PRO is an amino acid nitrogen product fortified with balanced natural biostimulants comprised of milk whey proteins and leather collagens. These components provide the plant with a nitrogen source it can use immediately without having to expend additional energy!

TRU PRO can be the answer to many problems, such as poor turf performance due to low light intensity or as a desirable spray component under environmental conditions that favors plant disease development, and can even be used after the onset of disease!

GUARANTEED ANALYSIS

6-2-3

Total Nitrogen	6.0%	6.0%
6.0% Amino Acid Nitrogen		
Available Phosphoric Acid (P2O5)	2.0%	2.0%
Soluble Potash (K2O)	3.0%	3.0%

F1915

Derived from: leather hydrolysate Ammonia lactate, and Potassium Pyro Phosphates.

Tru-Pro is tank mix compatible with most other products.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





TRU-PRO

PROFESSIONAL TURF USE
READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.

GUARANTEED ANALYSIS

6-2-3

Total Nitrogen	6.0%
6.0% Amino Acid Nitrogen	
Available Phosphoric Acid (P2O5)	2.0%
Soluble Potash (K2O)	3.0%

F1915

Derived from: leather hydrolysate Ammonia lactate, and Potassium Pyro Phosphates.

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5 Gal/9.45L
26.75 lbs/ 12.16 Kg

DESCRIPTION:

TRU-PRO is a proprietary formulation of long chain amino acids combined with energy producing pyro-potassium phosphates and naturally occurring biostimulants, enzymes, fermentation extracts, and carbon synergists. It is used on all fine turfgrasses to produce a long chain amino acid protein in the turf to make it hardy, durable, and aesthetically pleasing.

COMPATIBILITY:

TRU-PRO is tank mix compatible with a wide range of nutrients and most pesticides. Where compatibility is unknown a standard quart jar test should be done prior to tank mixing.

HOW TO APPLY:

Apply with any equipment that delivers a fine foliar mist to turf.

RATES AND DIRECTIONS:

Apply at the following rates on all turf types.

- GENERAL TURF MAINTENANCE: Apply 3-4 fluid ounces per 1,000 f² every 12-15 days throughout growth periods.
- SHADE AREAS: Apply 4-6 fl. oz. per 1,000 f² and repeat as necessary.
- TURF RECOVERY: Apply 4 fl. oz. per 1,000 f² every 10-14 days.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at: <http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>



www.core-nutrients.com



www.core-nutrients.com

TURF STAR

The biostimulant package in TURF STAR is specifically designed around the needs of all cool season turf types, focusing on root development, new root initiation, cell division, and reducing senescing tendencies.

TURF STAR can help to mitigate many different environmental stressors. Zinc gives it the ability to endure more extreme temperatures, sulfur acts as an oxidative stress mitigator, copper helps the plant produce long chain proteins (which is the ultimate biological objective of all plants) and manganese is so essential in enzymatic actions that its importance cannot be overstated.



TURF STAR
PROFESSIONAL TURF USE
READ ENTIRE LABEL BEFORE USE
SHAKE WELL BEFORE USE.

DESCRIPTION:
 TURF STAR is a combination of auxiliary plant nutrients designed for foliar application to intensify nitrogen and other nutrient use efficiency in cool season turf grasses such as golf courses and athletic playing fields. TURF STAR is specifically designed for most cool season turf grasses.

COMPATIBILITY:
 Always pre-determine tank mix compatibility with your jar method prior to tank mixing. Not compatible with phosphate.

APPLICATION:
 Apply with equipment that gives complete coverage to target area. Apply with spray volume of 800-1,000 GPM. This is for general use.

GENERAL RECOMMENDATIONS:
 Make application at any time during the active growing period. Monthly applications should begin only and be repeated every 12-14 days throughout season.

FOR FLORIDA:
 We recommend you follow the Golf Course Superintendents Association of America (GCSAA) Florida Fertilizer Recommendations.

NET CONTENTS: 2.66GAL (10.1L)
NET WEIGHT: 26.66 LB (12.1 KG)

GUARANTEED ANALYSIS

Chelated Magnesium (Mg)	0.50%
Combined Sulfur (S)	3.50%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Water Soluble Copper (Cu)	0.05%
Iron (Fe)	3.00%
3.0% Water Soluble Iron (Fe)	3.00%
Manganese (Mn)	0.75%
.75% Water Soluble Manganese (Mn)	0.75%
Zinc (Zn)	0.35%
.35% Water Soluble Zinc (Zn)	0.35%

KEEP OUT OF REACH OF CHILDREN
 Hazardous if swallowed. Irritation to eyes, skin, and respiratory tract. Causes serious eye irritation. May cause drowsiness or dizziness. May cause respiratory irritation. Avoid breathing dust or mist. Wash thoroughly after handling. Do not get into eyes. Wash immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contact with skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer's liability for this product is limited to the amount of product applied. Manufacturer's liability for this product is limited to the amount of product applied. Manufacturer's liability for this product is limited to the amount of product applied. Manufacturer's liability for this product is limited to the amount of product applied.

Manufactured By: ProTea Botanicals, Inc.
 1039 Autumn Oaks Circle
 Collierville TN 38017

GUARANTEED ANALYSIS

Chelated Magnesium (Mg)	0.50%
Combined Sulfur (S)	3.50%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Water Soluble Copper (Cu)	0.05%
Iron (Fe)	3.00%
3.0% Water Soluble Iron (Fe)	3.00%
Manganese (Mn)	0.75%
.75% Water Soluble Manganese (Mn)	0.75%
Zinc (Zn)	0.35%
.35% Water Soluble Zinc (Zn)	0.35%

Derived From: Magnesium Gluconate, Manganese Sulfate, Copper Sulfate, Ferrous Sulfate, Zinc Sulfate, and Boric Acid

F1915

Non-Plant Food Ingredients: Bacillus Subtilis spp., Azospirillum Brassica

**Always pre-determine tank mix compatibility
 With quart jar method prior to tank mixing.**

Manufactured By:
 ProTea Botanical US, INC.
 1039 Autumn Oaks Circle
 Collierville TN 38017





TURF STAR

**PROFESSIONAL TURF USE
READ ENTIRE LABEL BEFORE USE
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Chelated Magnesium (Mg) -----	0.50%
Combined Sulfur (S) -----	3.50%
Boron (B) -----	0.02%
Copper (Cu) -----	0.05%
0.05% Water Soluble Copper (Cu)	
Iron (Fe) -----	3.00%
3.0% Water Soluble Iron (Fe)	
Manganese (Mn) -----	0.75%
.75% Water Soluble Manganese (Mn)	
Zinc (Zn) -----	0.35%
.35% Water Soluble Zinc (Zn)	

Derived From: Magnesium Gluconate, Manganese Sulfate, Copper Sulfate, Ferrous Sulfate, Zinc Sulfate, and Boric Acid

F1915

Non-Plant Food Ingredients: Bacillus Subtilis spp., Azospirillum Brassica

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

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Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45liters

NET WEIGHT- 24.0lbs/ 10.9Kg

DESCRIPTION:

TURF STAR is formulation of auxiliary plant nutrients designed for foliar application to intensively managed Golf Course turf grasses such as golf courses and athletic playing fields. **TURF STAR** is particularly effective for root generation on cool season turf types.

COMPATIBILITY:

Always pre-determine tank mix compatibility with quart jar method prior to tank mixing. Not compatible with phosphates.

APPLICATION:

Apply with equipment that gives complete coverage to target area. Apply with spray volumes of 60 GPA (560L/Ha), or less.

GENERAL RECOMMENDATIONS:

Make applications at any point during turfs active growing period. Ideally applications should begin early and be repeated every 12-14 days throughout season.

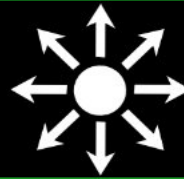
- ❖ Northern Cool Season Turf: (Bent, Bluegrasses, Fescue, Rye). Apply 1.5-2.0 fl. oz. per 1000ft² (45-90 ml per 100m²). Higher rates can be used effectively when turf is under heavy stress.
- ❖ Southern Warm Season Turf: (Bermuda, Zoysia, St. Augustine etc.), Apply 1.5-2 fl. oz. per 1000ft² (60-120 ml per 100 m²) in spring immediately after dormancy break and repeat every 10-14 days. Make 4-6 applications on an 8-10 day schedule immediately prior to onset of dormancy.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at:
<http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>



www.core-nutrients.com



core
NUTRIENTS

www.core-nutrients.com

LONG GREEN

LONG GREEN is an iron supplement for foliar application to intensively managed turf grasses such as golf courses, athletic playing fields, and common areas. It is specifically formulated for use on areas where the cut height of the turf is greater than 0.5 inches, its application to these areas greatly enhances color and turf durability.

LONG GREEN contains not only iron, but manganese, and zinc as well. This makes the product a three in one approach to green turf as well as performing important enzymatic functions and regulating heat modulation in unusually hot or cold conditions!



GUARANTEED ANALYSIS

Total Nitrogen-----	12.0%
12.0% Urea Nitrogen	
Sulfur Combined (S)-----	3.90%
Soluble Iron (Fe)-----	5.50%
Soluble Manganese (Mn)-----	1.00%
Soluble Zinc (Zn)-----	0.70%

F1915

Derived from: Urea, Ferrous Sulfate, Manganese Sulfate, and Zinc Sulfate

For use on all turf types with cut heights of greater than 0.75 inches (2.0 cm).

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





LONG GREEN

PROFESSIONAL SOD & TURF USE

READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE YOU.

GUARANTEED ANALYSIS

Total Nitrogen-----	12.0%
12.0% Urea Nitrogen	
Sulfur Combined (S) -----	3.90%
Soluble Iron (Fe) -----	5.50%
Soluble Manganese (Mn) -----	1.00%
Soluble Zinc (Zn) -----	0.70%

F1915

Derived from: Urea, Ferrous Sulfate, Manganese Sulfate, and Zinc Sulfate

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45L
27.0 lbs / 12.27 Kg

DESCRIPTION:

LONG GREEN is a proprietary auxiliary nutrient compound designed for use in the production and establishment of sod. It is also a very effective supplement to higher cut turf such as fairway and athletic fields. Long green is fortified with antioxidants, organic acids, and natural fermented plant juices.

COMPATIBILITY:

Always check tank mix compatibility with a standard quart jar test prior to tank mixing. Avoid phosphates.

APPLICATION:

Apply to turf as a fine foliar mist in 20-40 GPA, (190-380 liters per Ha). May be applied every 2-4 weeks through injection systems calibrated for 50-125 ppm. Not for turf with cut heights less than 0.75 inches (2.0 cm)

GENERAL RECOMMENDATIONS:

Apply 1.0 to 3.0 fl. oz. per 1000 ft^2 (29-89ml/30-90 m^2). Repeat as indicated need is observed, every 3-4 weeks throughout growing season.

For use on all turf types.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at:

<http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>



www.core-nutrients.com



www.core-nutrients.com



POA PRO

Poa Pro is specifically designed around the biological and physiological needs of Poa annua, which is particularly susceptible to environmental stresses. One of its biggest benefits is that it is a tremendous mitigator of respiration stress. This prevents the turf from burning more carbohydrates in respiration than it can produce in the photosynthetic process.

The calcium in the product also helps with cell division and pectate production, helping the plant recover from disease faster!

GUARANTEED ANALYSIS

Calcium (Ca) -----	7.10%
Iron (Fe) -----	0.10%
Manganese (Mn) -----	0.05%
Zinc (Zn) -----	0.05%

F1915

Derived from: Calcium Gluconate, Iron HEDTA, Manganese EDTA, and Zinc DTA

POA PRO
AUXILIARY NUTRIENT FORMANECEDPOA
ANNUA
READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.

GUARANTEED ANALYSIS

Calcium (Ca) -----	7.10%
Iron (Fe) -----	0.10%
Manganese (Mn) -----	0.05%
Zinc (Zn) -----	0.05%

Derived from: Calcium Gluconate, Iron HEDTA, Manganese EDTA, and Zinc DTA

CAUTION:
 Hazard if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contact with skin and clothing. For more information, see the back of the label.

KEEP OUT OF REACH OF CHILDREN

WARRANTY AND CONDITION OF SALE: Manufacturer's limited warranty. See the back of the label for details. This product is sold as-is and is not intended for use in any other manner. The manufacturer is not responsible for any damage to property, crops, or animals resulting from the use of this product. The manufacturer is not responsible for any damage to property, crops, or animals resulting from the use of this product. The manufacturer is not responsible for any damage to property, crops, or animals resulting from the use of this product.

Manufactured by: ProTea Botan US, INC.
 1039 Autumn Oaks Circle
 Collierville, TN 38017

NET CONTENTS: 1 GALLON (128 FL OZ)
 30.48 L (8.0 G)

FOR USE:
 We recommend that you follow the Golf Course BMP's.
 #1 www.golfcoursebmps.com

DESCRIPTION:
 POA PRO is a proprietary formulation of essential micronutrients, supplemental calcium, iron, and zinc, formulated with natural plant extracts, botanical extracts, and natural amino acids. It is the ideal feeding of managed grasses and other turf grasses.

COMBINATION:
 POA PRO should never be mixed with phosphate or other synthetic fertilizers. When compatibility is unknown, conduct a standard jar test prior to field mixing.

HOW TO APPLY:
 Apply with any equipment that delivers a fine mist spray over target species. Do not attempt to spray and allow 7-8 hours after application before irrigation.

RATE OF APPLICATION:
 Apply 1.0 gal per 1,000 sq ft in a minimum of 1000-1500 gallons of water.
 • 2 gal per 1,000 sq ft
 • 1.0 gal per 1,000 sq ft
 • 1.0 gal per 1,000 sq ft

Always pre-determine spray tank compatibility with standard quart jar method.

Manufactured By:
 ProTea Botan US, INC.
 1039 Autumn Oaks Circle
 Collierville TN 38017





POA PRO

AUXILIARY NUTRIENT FOR MANAGED POA ANNUA

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Calcium (Ca) -----	7.10%
Iron (Fe) -----	0.10%
Manganese (Mn) -----	0.05%
Zinc (Zn) -----	0.05%

F1915
Derived from: Calcium Gluconate, Iron HEDTA, Manganese EDTA, and Zinc DTA

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG/ 9.45liters
28.88 lbs/ 13.12 Kg

DESCRIPTION

POA PRO is a proprietary formulation of essential micronutrients sequestered in a natural sugar base and fortified with natural plant extracts, fermented enzymes vitamins, and seaweed extracts. It is for foliar feeding of managed poa annua and other cool season turf types.

COMPATIBILITY:

POA PRO should never be mixed with phosphates or other unchelated micronutrients. Where compatibility is unknown, conduct a standard quart jar test prior to tank mixing.

HOW TO APPLY:

Apply with any equipment that delivers a fine even spray mist to target species. DO not overspray to runoff and allow 5-6 hours after application before irrigation.

RATES OF APPLICATION:

Begin applications in early spring and continue at two weeks intervals throughout growing season.

- ❖ General, apply 2.5 – 3.0 fl. oz. per 1,000 sq. ft. in a volume of 1 – 2 gal per 1,000 sq. ft.
- ❖ Heavy environmental stress: Apply 4 – 5 fl. oz. per 1,000 sq. ft. in 1 – 2 gal. per 1,000 sq. ft.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at: <http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>



www.core-nutrients.com



www.core-nutrients.com

TURF AIRE

TURF AIRE is a calcium product sequestered in a base of gluconates. It also contains a balance of biostimulants that are beneficial to turf that is experiencing respiratory stress from heat, overcast conditions, etc.

Turf under respiratory stress may be compromised in carbohydrate production as well as calcium loss. The gluconates in the product make the foliar application absorb into the plant rapidly and provides essential sugars in the process. The biostimulant package in the product is in a ratio that insures maximum genetic performance under all conditions of stress!



GUARANTEED ANALYSIS

Chelated Calcium (Ca) -----8.30%
Derived from: Calcium Glucoheptonate

TURF AIRE should be tank mix compatible with most nitrogen compounds, insecticides, and fungicides. Do not tank mix with phosphates. Always use standard quart jar test prior to tank mixing.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017



TURF AIRE
PROFESSIONAL TURF USE
READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.

DESCRIPTION:
TURF AIRE is an auxiliary nutrient formulation designed for foliar use on all Golf Course turf grasses. TURF AIRE applications can be particularly beneficial during periods of respiratory stress.

COMPATIBILITY:
TURF AIRE should be tank mix compatible with most nitrogen compounds, insecticides, and fungicides. Do not tank mix with phosphates. Always use standard quart jar test prior to tank mixing.

APPLICATION:
Apply as a light foliar mist with spray volume of 30-50 GPA, 235-475 L/ha.

GENERAL RECOMMENDATIONS:
Apply 5-8 oz per 1000 ft² (10-20 oz per 100 m²). Repeat every 12-14 days throughout season.

FOR FLORIDA:
We recommend you follow the Golf Course BMP's at www.floridagolf.com

CAUTION:
KEEP OUT OF REACH OF CHILDREN
Hazard if swallowed. May cause irritation. May cause respiratory distress. Avoid contact with skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that the product conforms to the chemical description herein and is available to the user as stated. No other warranty is made, either expressed or implied. Buyer and user, however, acknowledge and assume all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 8.666 GAL
NET WEIGHT: 37.6 lbs/170 kg



TURF AIRE

PROFESSIONAL TURF USE

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Chelated Calcium (Ca) -----8.30%
Derived from: Calcium Glucoheptonate
F1915

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45L
NET WEIGHT- 27.12lbs/12.33Kg

DESCRIPTION:

TURF AIRE is an auxiliary nutrient formulation designed for foliar use on all Golf Course turf grasses. **TURF AIRE** applications can be particularly beneficial during periods of respiratory stress.

COMPATIBILITY:

TURF AIRE should be tank mix compatible with most nitrogen compounds, insecticides, and fungicides. Do not tank mix with phosphates. Always use standard quart jar test prior to tank mixing.

APPLICATION:

Apply as a light foliar mist with spray volume of 30-50 GPA, (285-475 L/Ha). **DO NOT WATER IN.**

GENERAL RECOMMENDATIONS:

Apply 3-9 fl. oz. per 1000 ft^2 (90-270 ml per 100 m^2). Repeat every 12-14 days throughout season.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at:
<http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>



www.core-nutrients.com



www.core-nutrients.com



CALPHIXX

CALPHIXX is a soluble calcium product designed to assist in the flushing of unavailable Calcium from the soil profile. The formula is both chelated and heavily saturated which also makes this product extremely beneficial when dealing with excessive sodium.

Once the product is applied to the soil, the excess chelate goes to work on the insoluble calcium reserves in the soil and makes this reserve available for the turf, and/or, makes it available for moving excess sodium out of the root zone!

GUARANTEED ANALYSIS

Calcium (Ca)8.1%
 F1915
 Derived from: Calcium Glucono-delta lactone

Calphixx is designed to be used as a stand alone product.

Do not mix with acid based fertilizers, as well as carbonated and neutral liquids.

Manufactured By:
 ProTea Botan US, INC.
 1039 Autumn Oaks Circle
 Collierville TN 38017





**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Calcium (Ca) -----8.1%
F1915
Derived from: Calcium Glucono-delta lactone

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

**NET CONTENTS: 2.5USG / 9.45L
28.88lbs/ 13.12 Kg**

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at:
<http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>

CaLpHixx

SOL AMENDMENT
PROFESSIONAL TURF USE

DESCRIPTION:

CaLpHixx is a proprietary formulation of concentrated calcium designed for soil treatment in calcium deficient areas. Use in all areas where the need for additional calcium is indicated. CaLpHixx is also beneficial where soil sodium problems are present.

COMPATIBILITY:

Tank mixing should not be attempted without predetermining compatibility by using standard quart jar method.

- Do not mix with Acid based fertilizers.
- Avoid carbonated and neutral liquids.

APPLICATION:

Apply with equipment that delivers good coverage to target area. Water in within 8 hours.

GENERAL RECOMMENDATIONS:

- ❖ **General Turf Maintenance:** Apply 6-12 fl. oz. per 1000 f². (180-360 ml/100 m²) depending on soil test. Repeat every 2-3 weeks.
- ❖ **Low Calcium to Magnesium Ratio:** Apply 7-15 fl. oz. per 1000 f². (210-450 ml/100 m²). Maintenance applications of 2-3 fl. oz. per 1000 f². (60-90 ml/100 m²) may be indicated monthly on sand greens.
- ❖ **Buffer pH Issues:** Consider following ratio if soil test indicated adequate exchangeable Calcium.
 - Buffer (pH) 6.2-6.9 – Apply 7-14 fl. oz. per 1000 f². (210-420 ml/100 m²).
 - Buffer (pH) <6.1 – Apply 15-20 fl. oz. per 1000 f². (450-600 ml/100 m²).
- ❖ **Soil Sodium issues:** Apply 12-15 fl. oz. per 1000 f². (360-450 ml/100 m²). Repeat every 3-4 weeks at 9-12 fl. Oz per 1000 f². (270-360 ml/100 m²).

CONSULT YOUR LOCAL REPRESENTATIVE FOR ADDITIONAL SOIL SODIUM INFORMATION.



www.core-nutrients.com



www.core-nutrients.com



PENETRAR

PENETRAR is a liquid soil surfactant that is specifically designed to facilitate the movement of water down through the soil profile.

This product is a very valuable addition to flushing operations on golf greens, tees and fairways. It has very good re-wet characteristics meaning that even if it is not immediately moved into the soil profile initially, it will still continue to move water on subsequent waterings.

Best results will be realized when the product is applied prior to the flushing cycle and watered into the soil within 2-3 hours of application.

ACTIVE INGREDIENTS

2,3,4,5- Trihydroxy Pentanedioic Acids	12.00%
Di Sulfosuccinate blend	72.00%
Inert Buffers and Couplers	16.00%
Total	100.00%

F1915

PENETRAR is tank mix compatible with most nutrient solutions, fungicides, and insecticides. When in doubt, always check compatibility with standard quart jar method prior to tank mixing.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





PENETRAR

SUPERIOR SOIL PENETRANT

PROFESSIONAL TURF USE

READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.

ACTIVE INGREDIENTS

2,3,4,5- Trihydroxy Pentanedioic Acids-----	12.00%
Di Sulfosuccinate blend-----	72.00%
Inert Buffers and Couplers-----	16.00%
Total	100.00%

F1915

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5USG/ 9.45L
21.5lbs/ 10.23Kg

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at: <http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>

DESCRIPTION

PENETRAR is a proprietary formulation of superior soil penetrating surfactants. It is designed for use on all intensively managed turf grasses such as golf courses and athletic playing fields to increase water infiltration. It is non-phytotoxic and leaves no benzene residue in the soil.

COMPATIBILITY:

PENETRAR is tank mix compatible with most nutrient solutions, fungicides, and insecticides. When in doubt always check compatibility with standard quart jar method prior to tank mixing.

APPLICATION:

Apply with equipment that evenly covers target area. Water in lightly.

PENETRAR will continue to re-wet with subsequent irrigation cycles.

GENERAL RECOMMENDATIONS:

- ❖ Greens and Tees: Apply 2-3 fl. oz. per 1000² (60-90 ml/100 m²), on initial application. Repeat at 1-2 fl. oz. per 1000² (30-60 ml/100 m²) on a 2-4 week schedule.
- ❖ Athletic Fields: Apply 1.5-3.0 fl. oz. per 1000². (45-90 per 100 m²) every 3-4 weeks
- ❖ Compacted Areas: Apply 4-6 fl. oz. per 1000² (120-180 ml/100m²) & repeat as needed



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PHOS K PLUS

Fight poor turf health and fortify the turf the way it should be done.

PHOS K PLUS is a formulation of potassium phosphates, phosphorous acid and reacted phosphite, which provides pathogen suppressing characteristics from the outside, and phosphorous induces plant energy from within.

Phosphorus acid and phosphite has been shown to be effective in the suppression of plant disease organisms. This product along with fungicides gives the turf grass substantial added resistance to disease.

GUARANTEED ANALYSIS 0-5-5

Available Phosphoric Acid (P205) ----- 5.0%
Soluble Potash (K2O) ----- 5.0%
Derived from Phosphorous Acid, & Potassium Pyrophosphates
F1915

PHOS K PLUS may tend to lower spray tank pH.

Always check tank compatibility with a standard quart jar method prior to tank mixing.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





PHOS K PLUS

PROFESSIONAL SOD & TURF USE

READ ENTIRE LABEL FOR USE.
SHAKE WELL BEFORE USE.

GUARANTEED ANALYSIS 0-5-5

Available Phosphoric Acid (P ₂ O ₅) -----	5.0%
Soluble Potash (K ₂ O) -----	5.0%
Derived from Phosphorous Acid, & Potassium Pyrophosphates	

F1915

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.

1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5 USG/9.45L
22.2 lbs/ 10.09 Kg

DESCRIPTION:

PHOS K PLUS is a reaction potassium phosphate, phosphorus acid product designed for use on turfgrass and ornamental plants. **PHOS K PLUS** is fortified with low molecular weight organic acids, (SYNERGIZE C-3), fermentation extracts, and amino polycarboxylic saccharides.

COMPATIBILITY:

PHOS K PLUS may tend to lower spray tank (pH). Always check tank compatibility with a standard quart jar method prior to tank mixing. Add only to a spray tank filled to 75% and under agitation.

APPLICATION:

Use any equipment that delivers a fine, even spray mist to plant foliage.

RATES AND DIRECTIONS:

- TURF: Apply 2-3.0 fl. oz. per 1000 f² every 12-15 days as indicated by conditions.
- ORNAMENTALS: Mix 1-1.5% solution 1.25 - 2.0 fl. oz. per gallon of spray solution.

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at: <http://www.flaes.org/pdf/Golf%20Course%20BMP's.pdf>



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GUARANTEED ANALYSIS

Total Nitrogen ----- 23.0%
 7.66% Ammoniacal Nitrogen
 7.66% Nitrate Nitrogen
 7.68% Urea Nitrogen

F1915
 Derive from: Ammonium Nitrate and Urea

Synitro 23 is compatible with most other herbicides and pesticides. Always pre-determine spray tank compatibility with standard quart jar method.

SYNITRO 23

SYNITRO 23 contains 3 different types of nitrogen, which ensures turf performance without excessive topical growth. The Amino Acid nitrogen allows turf under stress to continue to produce long chain proteins which are invaluable in plant disease resistance.

Designed specifically for use on all cool season turf types. The biostimulant ratio is ideal for C-3 turf and is particularly beneficial under stress conditions.

For best results, apply early after dormancy break, and just prior to dormancy to induce root and rhizome development.

Manufactured By:
 ProTea Botan US, INC.
 1039 Autumn Oaks Circle
 Collierville TN 38017





SYNITRO-23

PROFESSIONAL TURF USE

**READ ENTIRE LABEL BEFORE USE.
SHAKE WELL BEFORE USE.**

GUARANTEED ANALYSIS

Total Nitrogen	23.0%
7.66% Ammoniacal Nitrogen	
7.66% Nitrate Nitrogen	
7.68% Urea Nitrogen	

F1915

Derive from: Ammonium Nitrate and Urea

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017

NET CONTENTS: 2.5Gal/9.45L
24.31 lbs/ 11.09 Kg

DESCRIPTION:

SYNITRO-23 is a proprietary formulation of nitrogen fortified with carbon synergist (SYNERGYZE-C-3), organic acids, fermented plant extracts, enzymes, and diterpine-like natural compounds. It is designed for foliar supplementation to all turf types and it particularly suited for cool season turf types.

COMPATIBILITY:

SYNITRO-23 will be tank mix compatible with most other nutrient combinations and pesticides. Where compatibility is not known always check with a standard quart jar method prior to tank mixing.

APPLICATION:

Apply with any equipment that delivers a fine foliar mist to the turf.

RATES AND DIRECTIONS:

Generally apply 5-6 fl. oz. per 1,000² (150-180 milliliters per 100 m²). Begin application in spring and apply every 3-4 weeks throughout growing season.



www.core-nutrients.com



www.core-nutrients.com



ORGANIC MATTERS

ORGANIC MATTERS is a highly concentrated humic acid that is absolutely packed with beneficial properties:

Increases water holding capacity in sand based greens and tees, improves aeration of soils, improves soil workability, helps plants resist drought, makes soil more friable or crumbly, retains water soluble fertilizers in the root zone and releases them when they are needed by the plants, promotes the conversion of many nutrients into forms that can be used by the plant, rich in organic and mineral substances essential to plant growth, increases the percent of total nitrogen in the soil, and more!

Organic Matters will deliver more benefits for the cost than any other product on the market!

ACTIVE INGREDIENTS

Polymeric Polyhydroxy	
Acid Complex	20.5%
Dimethyl Poly Siloxane	1.0%
Buffers, Couplers & Stabilizers	78.5%
Total	100.0%
F1915	

Organic Matters is tank mix compatible with most nutrient solutions, fungicides and insecticides as long as pH is greater than 5.5.

Do not tank mix with herbicides, or calcium nitrate solutions.

SHAKE WELL BEFORE USE.

Manufactured By:
ProTea Botan US, INC.
1039 Autumn Oaks Circle
Collierville TN 38017





ORGANIC MATTERS

SUPERIOR SOL AMENDMENT

PROFESSIONAL TURF USE

READ ENTIRE LABEL BEFORE USE.
ALWAYS SHAKE WELL BEFORE USE.
NOTICE: IT IS THE NATURE OF ALL HUMIC ACID TO SETTLE WHEN UNAGITATED.

ACTIVE INGREDIENTS

Polymeric Polyhydroxy	
Acid Complex-----	20.5%
Dimethyl Poly Siloxane-----	1.0%
Buffers, Couplers & Stabilizers -----	78.5%
Total -----	100.0%
F1915	

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. In case of contact with eyes, flush immediately with copious amounts of water for 15 minutes. If irritation persists, consult a physician. Avoid contamination of skin and clothing. Wash with soap and water.

WARRANTY AND CONDITION OF SALE: Manufacturer warrants that this material conforms to the chemical description hereon and is reasonably fit for use as directed. No other warranty is made, either expressed or implied. Buyer and user, therefore, acknowledges and assumes all risk and liability resulting from handling, storage, and use of this material.

Manufactured By: ProTea Botan US, INC.
 1039 Autumn Oaks Circle
 Collierville TN 38017

NET CONTENTS: 2.5USG / 9.45L
20.8 lbs/ 9.45Kg

FOR FLORIDA:

We recommend that you follow the Golf Course BMP's at: <http://www.flacs.org/pdf/Golf%20Course%20BMP's.pdf>

DESCRIPTION:

ORGANIC MATTERS is a concentrated polymeric polyhydroxy acid (humic acid). It is derived from fresh water deposits of leonardite ore. Program application will impart many beneficial characteristics to golf greens, tees, fairways, and common areas, such as better microbial function, improved nutrient availability, and better soil water function.

COMPATIBILITY:

Product is tank mix compatible with most nutrient solutions, fungicides, and insecticides as long as the (pH) is greater than 5.5

- Incompatible with calcium nitrate solutions.
- Do not tank mix with herbicides.

APPLICATION:

Apply in any manner / equipment that early delivers material to target area. A brief irrigation cycle after application is recommended.

GENERAL RECOMMENDATIONS:

- ❖ Greens & Tees: Apply 3-5 fl. oz. per 1000 f². (90-150 ml per 100 m².) Repeat every 3-4 weeks.
- ❖ Fairways & Roughs: Apply 5-6 fl. oz. per 1000 f². (150-180 ml per 100 m².) every 4-6 weeks.
- ❖ Severely Compacted Areas: Make initial application of 5-6 GPA, (19-23 liters per hectare), initially then maintain as indicated by conditions observed.

MAXIMUM BENEFIT WILL BE DERIVED WITH APPLICATIONS MADE IMMEDIATELY BEHIND AERIFICATION.

- ❖ Sod Pieces: Make one application to soil prior to laying sod at 9-12 fl. oz. per 1000 f². (270-360 ml per 100 m².) In two weeks, apply 6-9 fl. oz. per 1000 f². (180-270 ml per 100 m²).
- ❖ Nursery Transplants: Mix 1-2 qts. in 25 gal water, (1-2 liters in 100 liters of water). Apply liberally to the transplant hole and to soil after setting.



www.core-nutrients.com