



# Product Catalog





# About ProTea

## AGRICULTURAL & TURF PRODUCTS

At ProTea, we recognize that all plants and turf grasses are unique. There is no single “Silver Bullet” product that will meet every grower’s needs. Instead, we believe that our products and application methods should be matched to each unique situation based on:

- The objectives of the grower
- The type of plant or turf grass
- The region, climate, and soil conditions where applied

We believe that by maximizing nutrient utilization the genetic potential of the plant is reached allowing them to enjoy greater productivity. Our approach is to accomplish this in the most cost-effective and environmentally conscientious manner possible.

ProTea products have been developed to be plant and environment specific. Each product is carefully formulated to match the biochemical needs of the plant for which it is intended.

This brochure provides an overview of our products and includes information regarding how each product works and the specific benefits you can expect. We at ProTea hope you find this information helpful and encourage you to direct any specific questions to your knowledgeable ProTea representative.

We at ProTea believe our products are superior and we look forward to working with you to develop a program that will deliver the benefits and results you desire.



# SYNITRO-23

SYNITRO-23 is a proprietary formulation of nitrogen fortified with proprietary carbon synergists, organic acids, amino polycarboic saccharides, and natural plant fermentation extracts. SYNITRO-23 could be used early after dormancy break, and just prior to dormancy on warm season types to induce root and rhizome development.

## CONTAINS 4 TYPES OF NITROGEN:

- Ammoniacal Nitrogen
- Nitrate Nitrogen
- Urea Nitrogen
- Amino Acid Nitrogen From Ammonium lactate

## GUARANTEED ANALYSIS

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

Derive from: Ammonium Nitrate and Urea



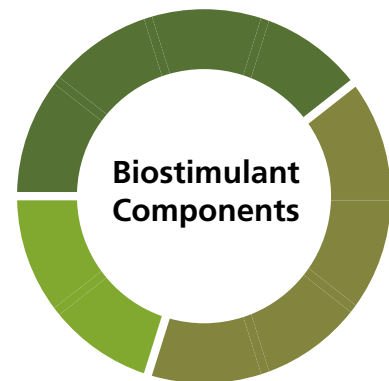
For all turf types



Suited for cool season turf types



Tank mix friendly



- GIBBERELLINS
- AUXIUS
- CYTOKINES

## COMPATIBILITY

SYNITRO-23 is 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 1,000f<sup>2</sup> (150-180 milliliters per 100 m<sup>2</sup>). Begin application in spring and apply every 3-4 weeks throughout growing season.



# SENEX-TG

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 gives the turf an energy boost through its phosphorous content. It also supports cell division, cell integrity, and mitigates respiration stress with its calcium content.

## CONTAINS:

- Natural fermentation extracts
- Plant enzymes
- Specific organic acids

## GUARANTEED ANALYSIS

Magnesium (Mg)	5.0%
8.0% Urea Nitrogen	
4.0% Water Insoluble Nitrogen	
Available Phosphoric Acid (P2O5)	16.0%
Soluble Potash (K2O)	4.0%
Calcium (Ca)	5.0%

Urea, Potassium Phosphate, Phosphoric Acid and Calcium Nitrate

## 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 plantfoliage. Best results will be realized with spray volumes of 20-40 GPA, (60-120 fl. oz. per 1,000f<sup>2</sup>)

## RATES AND DIRECTIONS

- Athletic Playing Fields: Apply 1.0-1.25 fl. oz. per 1,000f<sup>2</sup> early in the growing season and repeat every



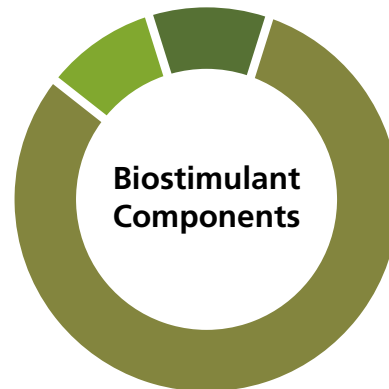
For all turf types



For intensively managed turf



Good recovery from stress conditions



- GIBBERELLINS
- AUXIUS
- CYTOKINES

14-21 days at 0.75-1.0 fl. oz. per 1,000f<sup>2</sup> throughout active growing season.

- Golf Greens and Tees: Apply 0.75–1.0 fl. oz. per 1,000f<sup>2</sup> in early spring and repeat every 12-14 days throughout season.
- Fairways: Apply 0.75-1.0 fl. oz. per 1,000f<sup>2</sup> 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.

# 4-EVER GREEN

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. Scheduled spraying throughout the growing season will assure the desired dark green color. 4-EVER GREEN is a concentrated iron product with a biostimulant support that is excellent for both turf types. In turf grass management we must always be concerned with the greening effects of the products we select.

## CONTAINS:

- Antioxidants
- Amino acids
- Organic complexes
- Enzymes
- Natural fermented plant extracts

## GUARANTEED ANALYSIS

Total Nitrogen	12.0%
Magnesium (Mg)	0.75%
Water Soluble Magnesium	0.75%
Iron (Fe)	4.50%

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

## 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

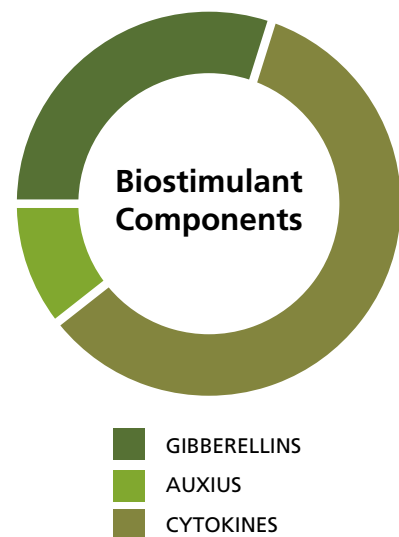
For general turf use, apply 1.5-3.0 fl. oz. per 1000 f<sup>2</sup>. (45-90 ml per 100 m<sup>2</sup>). Repeat every 2-3 weeks throughout growing season. For specific iron deficiencies, apply 3-5 fl. oz. per 1000 sq. ft. (90-150 ml per 100 m<sup>2</sup>.) and repeat in 7-10 days.



For intensively managed turf



Suited for both warm & cool seasons



# REBOUND

REBOUND is a proprietary formulation of auxiliary plant nutrients designed for use on intensively managed turf such as golf courses and athletic fields. When used as directed, REBOUND is very effective in turf establishment and recovery from stress conditions.

## CONTAINS:

- An array of essential nutrients
- Antioxidants
- Amino acids
- Enzymes
- Natural extracts from sea plants
- Diterpine like compounds

## 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%

Magnesium Sulfate, Boric Acid, Ferrous Sulfate heptohydrate, Manganese Sulfate, Zinc Sulfate Monohydrate, and Sodium Molybdate Sihydrate

## 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.

## RATES AND DIRECTIONS

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 f<sup>2</sup> (30-45 ml/100m<sup>2</sup>). Repeat every 10-14 days throughout season. For specific deficiency problems, apply 2-4 fl. oz. per 1000 f<sup>2</sup> (60-120 ml per 100 m<sup>2</sup>). If problem persists, repeat in 7-10 days.



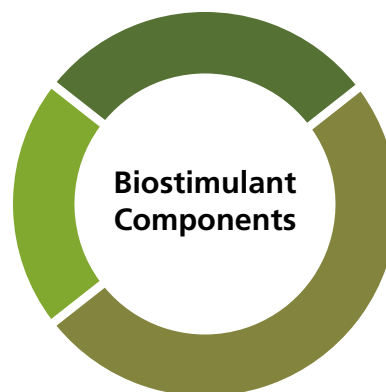
For intensively managed turf



Suited for both warm & cool seasons



Good recovery from stress conditions



- GIBBERELLINS
- AUXIUS
- CYTOKINES

# TRUPRO

TRU-PRO is an Amino Acid Nitrogen fortified with balanced natural biostimulant. Its purpose is for a foliar supplement to intensively managed turf grasses. 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. It is also a desirable spray component under environmental conditions that favors plant disease development and even after the onset of disease.

## CONTAINS:

- Long chain amino acids
- Energy producing pyro-potassium phosphates
- Naturally occurring biostimulants
- Enzymes
- Fermentation extracts
- Carbon synergists

## GUARANTEED ANALYSIS

Total Nitrogen	6.0%
6.0% Amino Acid Nitrogen	
Ammoniacal Nitrogen	2.0%
Nitrate Nitrogen	3.0%

Derive from: Leather hydrolysate Ammononia lactate, and Potassium Pyro Phosphates

## 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.

## APPLICATION

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 5-6 fluid ounces per 1,000 f<sup>2</sup> every 12-15 days throughout growth periods.

**SHADE AREAS:** Apply 7.5-9.0 fl. oz. per 1,000 f<sup>2</sup> and repeat as necessary.

**TURF RECOVERY:** Apply 6 fl. oz. per 1,000 f<sup>2</sup> every 10-14 days.



For all turf types



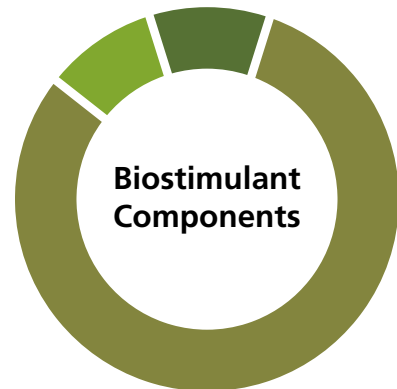
Produces durability



Suited for all seasons



Tank mix friendly



- GIBBERELLINS
- AUXIUS
- CYTOKINES



# TURF AIRE

TURF AIRE is one of our premier performers for turf grass under all conditions. In particular it is very beneficial during respiratory stress situations. It also contains a balanced of biostimulants that are beneficial to all turf types growing under all conditions. While the product can and should be used throughout the season, it is particularly needed on turf that is experiencing respiratory stress from heat, overcast conditions, etc. 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 are in ratios that insure maximum genetic performance under all conditions of stress, or otherwise.

## CONTAINS:

- Antioxidants
- Enzymes
- Amino acids
- Natural fermented plant extracts

## GUARANTEED ANALYSIS

Chelated Calcium (Ca)	8.30%
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Derive from: Calcium Gluconate

## 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 f<sup>2</sup> (90-270 ml per 100 m<sup>2</sup>). Repeat every 12-14 days throughout season.



For all turf types



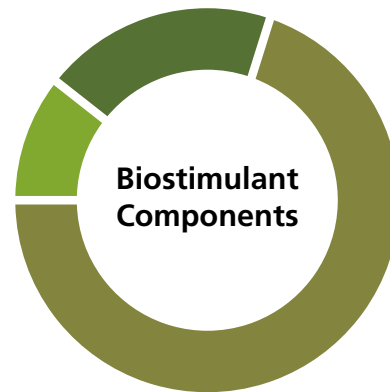
Suited for all seasons



Tank mix friendly



Good for respiratory stress situations



# PAR-5

PAR-5 is a proprietary formulation of auxiliary plant nutrients designed for foliar use on intensively managed turf grasses such as golf courses and athletic playing fields.

## CONTAINS:

- Antioxidants
- Enzymes
- Amino acid
- Fermented plant extracts that promote turf growth and vigor

## GUARANTEED ANALYSIS

Total Nitrogen (N)	9.00%
3.0% Other Soluble Nitrogen	
6.0% Urea Nitrogen	
Magnesium (Mg)	0.50%
Water Soluble Magnesium	0.50%
Sulfur (S)	3.00%
Boron (B)	0.05%
Iron (Fe)	3.00%
Manganese (Mn)	1.00%
Zinc (Zn)	0.50%
Molybdenum (Mo)	0.002%

Urea, Leather hydrolysate, Magnesium Sulfate, Boric Acid, Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate, Sodium Molybdate

## COMPATIBILITY

PAR-5 should always be tested with standard quart jar method prior to tank mixing. Do not tank mix with phosphates.

## APPLICATION

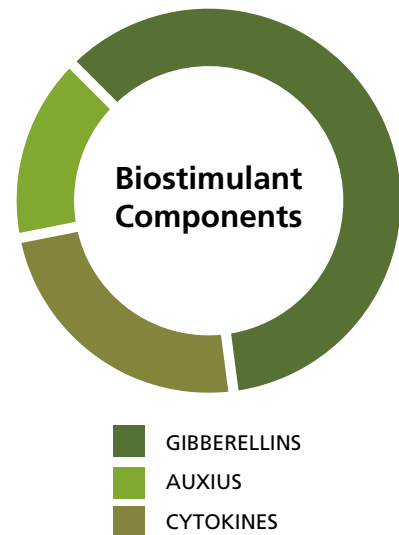
Apply as a light foliar mist covering entire target area. Best results will be obtained with spray volumes of 30-50 GPA, (285-475 L/Ha).



**For intensively managed turf**



**Suited for cool season turf types**



## GENERAL RECOMMENDATIONS

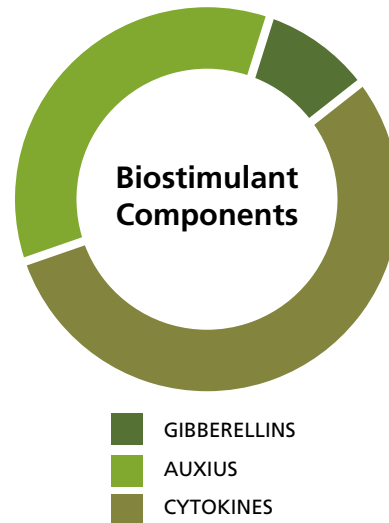
- Cool Season Grasses: (Bent, Bluegrasses, Fescue, Rye). Apply only at periods of very low stress, 1-2 fl. oz. per 1000 f<sup>2</sup>. (30-60ml/100 m<sup>2</sup>). NOTE: During periods of low stress PAR-5 can be applied to these grass types at half rates in conjunction with full rates of TURF STAR.
- Warm Season Grasses: (Bermudas, Zoysia, St. Augustine, etc.). Apply first immediately after dormancy break at 3-5 fl. oz. per 1000 f<sup>2</sup> (90-150ml/100m<sup>2</sup>). Repeat every 10-14 days throughout season at 2-3 fl. oz. per 1000 f<sup>2</sup> (60-902 ml per 100 m<sup>2</sup>).

# TURF STAR

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.

## ITS BENEFITS ARE AS FOLLOWS:

- Improved turf respiration
- Micronutrient package encourages
  - Chlorophyll production
  - Protein production which is essential in disease suppression
  - Serve to mitigate oxidative stress.
- Biostimulant package leans heavy on cytokines like which are ideal ratio for cool season turf.
  - Cell integrity
  - Cell division which is essential for turf durability
  - Root system proliferation.

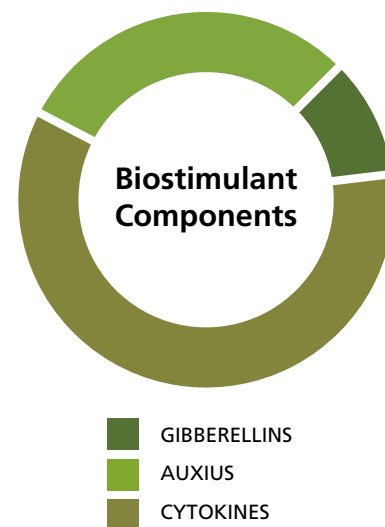


# POA\*PRO

POA PRO is a proprietary formulation of essential nutrients sequestered in a base of natural sugars, & fortified with natural plant extracts, natural fermentation enzymes, and plant derived biostimulants. It is specifically designed for intensively managed Poa Annuua, but can be used on all turf types. Poa Pro is an excellent choice as a programmed season long management tool, and can be most effective when unusual environmental stress issues are encountered.

## CONTAINS:

- Natural sugars
- Natural plant extracts
- Natural fermentation enzymes
- Plant derived biostimulants



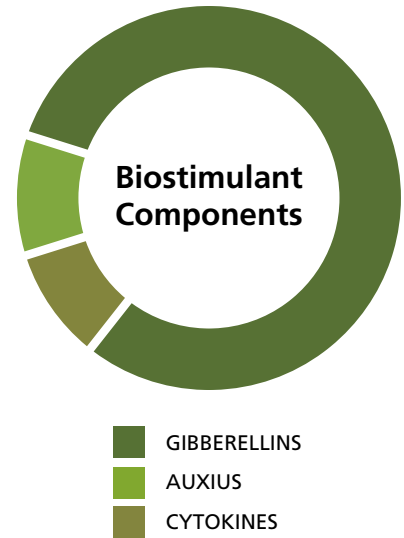
# HAY MAKER

HAY MAKER Crop Special is a proprietary formulation of colloid sulfur sequestered in natural organic acids, extracts of *Ascophyllum nodosum*, fermented plant juices, and diterpinoids. It is designed for foliar applications to a wide variety of crops to facilitate growth, development, and to enhance fruiting response.

HAY MAKER, when applied as directed, is extremely effective on turf especially grow ins, holes, and any part of the course needing to expand the root structure.

- Early applications give the turf root structure a development boost.
- Mid Season applications stimulate development of crop fruiting components of crops that bloom.
- Late season applications on crops such cotton can help to overcome premature cut out.

**DO NOT APPLY TO ROOT CROPS!**

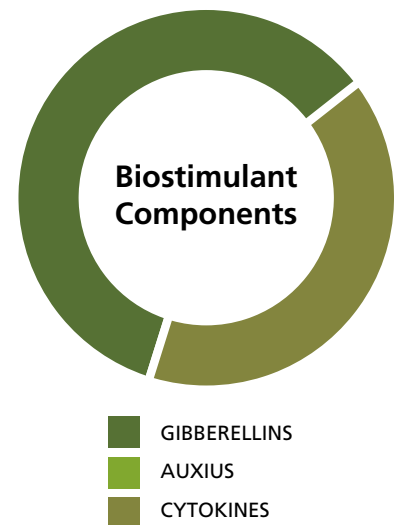


# TRINITRO-24

TRINITRO-24 is a proprietary formulation consisting of three types of nitrogen, organic acids, enzymes, natural biostimulants, and diterpine-like compounds. It also contains SYNERGIZE-C-3 and ENERGIZE-FE. TRINITRO-24 is designed for warm season grasses and fairways/roughs with a higher cut height. Should never be used on cool season turf under stress conditions.

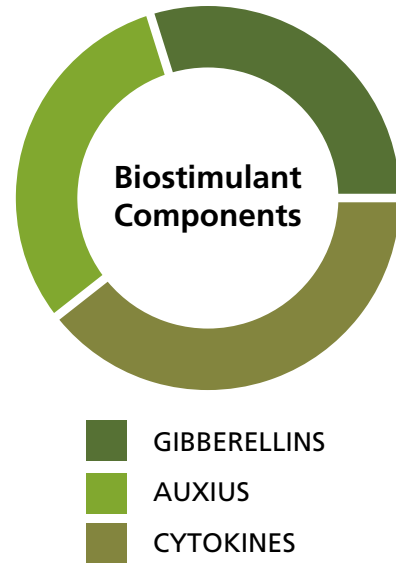
### CONTAINS:

- 3 types of Nitrogen
- Organic acids
- Enzymes
- Natural biostimulants
- Diterpine-like compounds



## DURA TURF

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. 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.

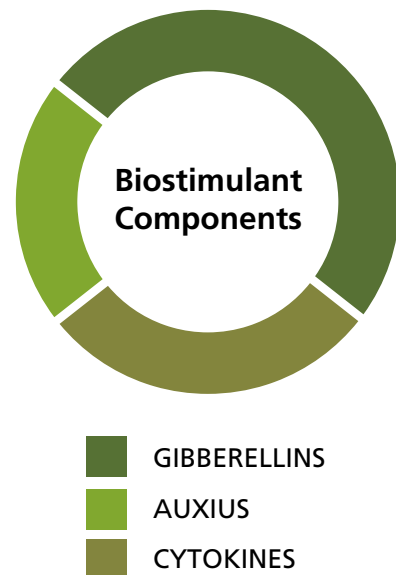


## LONG GREEN

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

### CONTAINS:

- Antioxidants
- Organic acids
- Natural fermented plant juices



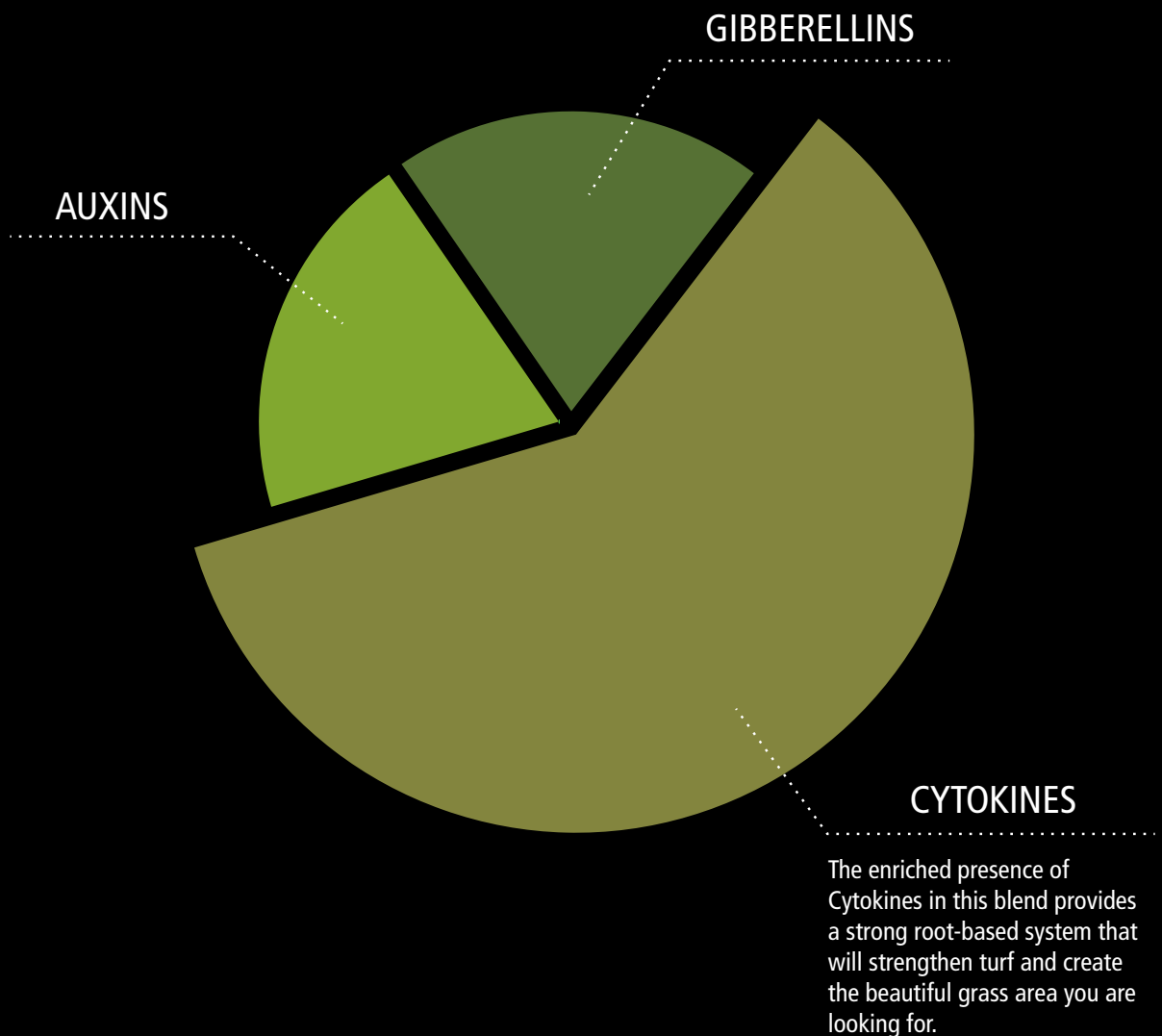


# Compound Blend

## 4-EverGreen | Rebound | TruPro

By combining two or more products together, you can substantially increase the benefits you experience as compared to using each product on its own. So whether your goal is to fill in turf after aerification, boost your root zone growth or achieve another desired effect, your Pro Tea Representative can help advise the best combination of products to achieve your specific goal.

The pie chart below provides an example of the effects of combining 4Ever Green, Rebound and True Pro. In this scenario, the combination will boost root zone health while delivering the benefits experienced when using each of these products individually.



# All ProTea Products

BLACK WIDOW  
CAL SOLV  
CALPHIXX  
CARBO BOOST  
CHITOWETT  
COAX  
COLONY  
CRUD BUSTER-SP  
DEFENDER  
DYNA GREEN  
FAIRWAY PK-PRO  
GREEN DEFENDER  
GREEN IRON  
HERCULES  
HIPHOS-54  
HOMBRE  
INTRUDER-KA TG  
K-MIN GREEN  
LONG GREEN  
MAGO VERDE  
MICRO GRO-30  
ORGANIC MATTERS  
ORGANIC MATTER-SP  
ORIGIN  
OXYPRO  
PAS-PRO  
PELLETS CA

PELLETS FE  
PELLETS HUMIC ACID  
PELLETS MICROS  
PELLETS PENETRAR  
PELLETS PENETRAR MAG  
PELLETS RETENADOR  
PELLETS RETENADOR MAG  
PENETRAR LIQ  
PHOS K PLUS  
POWER K-52  
REDUX-TRA  
RETENADOR LIQ  
REVEILLE GSDE  
SENEX-TG  
THIOXX-G3  
THUNDER BOLTZ  
TRANZIT-K  
VITAL TURF CTF

Ask your local sales associate  
about the products offered  
in your area





*Success Through Science*

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