

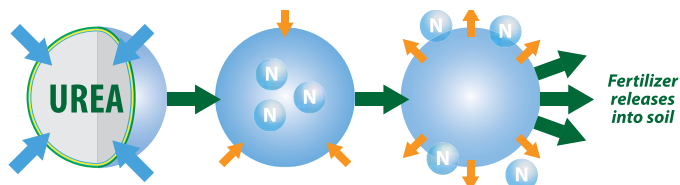
# Golf Course & Landscape Fertilizers

## TPT Controlled-Release Nitrogen by



### How Do They Work? | Are They All The Same?

Conventional water-soluble fertilizer materials (substrates) are given a protective coating or encapsulation (water insoluble, semi-permeable, or impermeable with pores) that controls water penetration and the rate of nutrient dissolution and nutrient release.



\* AAPFCO, The Association of American Plant Food Control Officials tentative

#### MOISTURE

- Moisture diffuses into the prill, initiating nutrient release
- Activation is a saturation process
- 6% Soil moisture is enough to activate release

#### TEMPERATURE

- Release rates of polymer coated fertilizers respond to temperature
- Release is minimal at temperatures below 10° C
- Release rate increases with increasing temperature

#### COATING THICKNESS

- Increasing coating thickness increases longevity of release
- Both initiation and release are affected by coating thickness
- Takes more time for water to move in through pores, and for nutrients to move out

#### HOW LONG WILL IT LAST?

TPT is available in three (3) Growing Degree Day coating thicknesses - TPT 900, 1800, & 2400. GDD accumulations are calculated when average daily soil temps. from Environment Canada exceed 0° C.

- **TPT 900** is determined as 80% nutrient release by 900 GDD or about 45 days when average daily temperature is 20° C.
- **TPT 1800** is determined as 80% nutrient release by 1800 GDD or about 90 days when average daily temperature is 20° C.
- **TPT 2400** is determined as 80% nutrient release by 2400 GDD or about 120 days when average daily temperature is 20° C.

Contact your Even-Spray representative for more information on Turf Fuel G nitrogen and the Scotts-based formulations available.

### BRANDT iHammer



Both MEGALEX® and UPPLAUSE® PLUS are proprietary foliar formulations that are environmentally-friendly, zero-Phosphorus, and are compatible with most fertilizers, pesticides, adjuvants and plant growth regulators.

Both iHammer products are an excellent addition to a liquid or foliar fertilizer program in low light environments and utilize stable sources of Nitrogen that resists soil tie-up.

Count on BRANDT iHammer products to help build you stronger, greener, more vibrant turf for optimal course playability.

Ask your Even-Spray representative how Brandt iHammer products can be best utilized in your fertilizer program.

**Innovation Without Borders®** - BRANDT iHammer is a joint venture focused on the development of new product technologies that help plants use water and nutrients more efficiently, and enhance photosynthesis, carbon flow, and glycoside sugar utilization within plants. Its products are currently available in the turf, greenhouse, and agricultural markets.



9.46 Litre

#### iHammer Megalex® 3-0-0

- Patented chemistry validated in university and independent trials since 2005.
- Builds strong roots and shoots, increasing root length by as much as 25% and root mass to fight environmental stresses such as drought and heat.
- Enhances water and nutrient uptake by the plant.
- Use as part of a liquid greens program every 14 days at a rate of 3 - 9 oz / 1,000 ft² in 2 - 2.5 USG of water.



9.46 Litre

#### iHammer Upplause® Plus 10-0-0

- Cost effective, patented chemistry for use on tees and fairways.
- University test and validated.
- Proprietary formula allows for rapid uptake of nutrients, reducing evaporation before absorption into plants.
- Reduces impact of environmental stresses and improves overall turf health with rapid greening.
- 3 - 6 oz. / 1,000 ft² every 14 days in 2 - 2.5 USG of water.



## RESEARCH DRIVEN, PROVEN RESULTS™

For over 25 years, GRIGG has been an innovator in turfgrass nutrition, product development, and research. Their high-quality, science-based products are supported by years of university and independent field testing with published data. Each ingredient in all GRIGG products has its purpose as either a plant nutrient or an ingredient for soil improvement.

Visit [www.GRIGG.co](http://www.GRIGG.co) to learn more.

### QUALITY – PERFORMANCE – COMPATIBILITY

#### GRIGG Nutritional Programs

Backed by years of research and field trial work, GRIGG has developed a wide range of easy-to-use, highly-effective, and proven nutritional programs to suit many different climate zones and turfgrass types. Below are three core greens programs – spring, summer, fall – utilizing only three products for each program that can be used as a foundation for your plant health needs.

#### SPRING START-UP PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

- Nutra Green 5-10-5** 6 oz. /1,000 ft<sup>2</sup>
- Ultraplex 4-0-3** 4 oz. /1,000 ft<sup>2</sup>
- P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>

Take cool soil temperatures out of the equation by using **GRIGG** Proven Foliar fertilizers to kick start, recover from winter, and get your greens healthy and ready for play faster in the spring.

**Nutra Green** provides foliar Phosphorus that doesn't get bound in the soil. The proprietary blend of root stimulators, nutrients, and plant and soil wetting agents in **Ultraplex** elevate turf response, while plant health is further enhanced with **P-K Plus**, utilizing Potassium Phosphite and Ammonium Phosphate.

*Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.*



Nutra Green 5-10-5



Ultraplex 4-0-3



P-K Plus 3-5-17

#### SUMMER STRESS PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

- Gary's Green Ultra 14-2-3** 6 - 9 oz. /1,000 ft<sup>2</sup>
- P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>
- Kelplex 1-2-2** 1.5 oz. /1,000 ft<sup>2</sup>

Get a premium summer Proven Foliar feed program with just three jugs of **GRIGG** product.

**Gary's Green Ultra** is a 3-in-1 product providing foliar N-P-K, a buffering agent, and nutrient uptake elicitor. The Potassium Phosphite in **P-K Plus** improves plant health and resistance to abiotic stress with increased antioxidant production. The foliar-absorbed seaweed extract in **Kelplex** assists in limiting oxidative stress, and improves heat, drought, and salinity stress tolerance.

*Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.*



Gary's Green Ultra 14-2-3



P-K Plus 3-5-17



Kelplex 1-2-2

#### FALL / WINTER PREP PROGRAM – Highly Compatible with most Fungicides and Plant Growth Regulators

- Ultraplex 4-0-3** 3 oz. /1,000 ft<sup>2</sup>
- P-K Plus 3-5-17** 6 oz. /1,000 ft<sup>2</sup>
- Carboplex 6-4-4** 6 oz. /1,000 ft<sup>2</sup>

Give your turf the best chance for winter survival by feeding it in the fall with this **GRIGG** tank-mix.

**P-K Plus** provides essential Phosphate and Phosphite to assist in hardening off the turf while setting the stage for enhanced snow mould resistance. Along with the root stimulators, nutrients, and plant and soil wetting agents in **Ultraplex**, the carbohydrate levels in **Carboplex** are essential to turf for winter survival. The combined products provide the plant with micros including Mg, B, Cu, Fe, Mn, Zn, Co, and Mo.

*Tank-mix applied in 1 – 2 gallons of water / 1,000 ft<sup>2</sup>.*



Ultraplex 4-0-3



P-K Plus 3-5-17



Carboplex 6-4-4



# Foliar & Liquid Golf Course Fertilizers



[www.BRANDT.co](http://www.BRANDT.co)

BRANDT is a leading supplier of specialty inputs for the agriculture, turf, ornamental, and lawn and garden markets offering a full line of foliar and soil-applied fertilizers as well as soil-health nutrients and amendments.

BRANDT products meet all your agronomic and budget requirements without sacrificing performance and overall plant health. Compatible with fungicides, pesticides, surfactants, PGRs, and other liquid fertilizers.

### BRANDT "Success" Kits – Where Agronomics and Economics Meet

Offering the Golf Course Superintendent simple-to-follow, agronomically-sound, and cost-effective liquid fertilizer programs for golf course greens, the Brandt **Summer Success** and **Bi-Monthly Success** Kits check all the boxes. The carefully selected product mix in each unique program features high performance foliar nutrients and specialty nutritional formulas designed to promote strong root systems and root mass, resulting in improved nutrient and water uptake. This helps your turf withstand summer heat and drought stress as well as regular foot traffic.

#### Summer Success Kit – For Weekly Applications

Product	Cases
Brandt Converge SRN 30-0-0	2
Brandt In-Cyte	1
Brandt Seaweed Max	1
Foli-Cal	3
Manni-Plex Eagle	1
Manni-Plex Mg	1
Manni-Plex Mn	1
Manni-Plex Root Builder	1

1 Summer Success Kit treats 3 Acres of turf for 1 Month and delivers 0.25 lbs. of N + 0.13 lbs. of K per month.

#### Bi-Monthly Success Kit – For 2X / Month Applications

Product	Cases
Brandt 20-K	2
Brandt Converge SRN 18-0-6	2
Brandt Converge SRN 30-0-0	4
Brandt MKS	3
Brandt Parco-Root XL	2
Brandt Seaweed Max	2
Foli-Cal	2
Manni-Plex Grow	2

1 Bi-Monthly Success Kit treats 3 Acres of turf for 3 Months and delivers 0.25 lbs. of N + 0.13 lbs. of K per month.



GRIGG and BRANDT each offer a complete line of foliar and soil-applied liquid fertilizers. The technology in each is uniquely different, yet can be used together to create an agronomically sound nutrient program to suit whatever type of turf you are growing. Your Even-Spray representative can help you build the best program to meet your fertility and budget needs.

#### GRIGG Products

Proven Foliar® Nutrients	N-P-K Analysis	Micronutrients
A-0-K Potassium Complex	1-0-24	-
A-0-K Plus Potassium Phosphite	1-0-25	-
Carboplex	6-4-4	Fe, Mn, Zn
Gary's Green	18-3-4	Mg, Cu, Fe, Mn, Zn
Gary's Green Ultra	14-2-3	Mg, Cu, Fe, Mn, Zn
Iron Combo	12-0-0	Fe, Mn, Zn
Kelplex	1-2-2	Fe
Manganese Combo	n/a	Mg, Cu, Mn, Zn
Micro Burst	0-0-1	B, Cu, Fe, Mn, Mo, Zn
Nutra Green	5-10-5	Mg, B, Cu, Fe, Mn, Zn
P-K Plus	3-5-17	B, Co, Mo
Sili-Kal-B	8-0-4	Ca, B
Suprema	12-0-12	Fe, Mn, Zn
Tuff Turf	1-0-14	Mg, Fe
Turftopia	5-0-5	Mn, Mo, Zn
Ultraplex	4-0-3	Mg, B, Cu, Fe, Mn, Zn
Specialty Soil Fertilizers	N-P-K Analysis	Micronutrients
Bi Blend	10-0-0	Ca
Burley Green 33% SRN	18-2-3	-
Displace	9-0-0	Ca
Rhizonify	6-4-4	Fe, Mn, Zn
Pigments	Apply	Water Volume / 1,000 FT <sup>2</sup>
GreenPIG Ultra	Monthly/As needed	1.15 – 2.3 US Gallons

#### BRANDT Products

Manni-Plex Foliar Nutrients	N-P-K Analysis	Micronutrients
Foli-Cal®	5-0-0	10Ca
Manni-Plex Eagle	7-0-14	Fe, Mn
Manni-Plex Grow	12-0-6	Cu, Fe, Mn
Manni-Plex Mg	5-0-0	4Mg
Manni-Plex Mn	7-0-0	5Mn
Manni-Plex Root Builder	3-0-0	Mg, B, Cu, Mn, Zn
Manni-Plex Total Turf	5-0-0	Mg, Fe, Mn, Zn
Manni-Plex Ultra Turf	4-0-2	Mg, B, Cu, Fe, Mn, Mo
Converge Slow Release	N-P-K Analysis	Micronutrients
Converge SRN18 – 30% SRN	18-3-6	Cu, Fe, Mn, Zn
Converge SRN18-ZP – 30% SRN	18-0-6	Cu, Fe, Mn, Zn
Converge SRN30 – 60% SRN	30-0-0	-
Specialty Liquid Nutrients	N-P-K Analysis	Micronutrients
Brandt 20-K	2-0-20	-
Brandt Flash Dance	1-0-0	5Fe
Brandt MKS	0-0-4	Mg, S
Brandt Parco-Root XL	-	Mg, S, B, Fe, Mn, Mo, Zn
Brandt Supreme Green	12-0-0	Mg, S, Fe, Mn
Humic/Specialty Fertilizers	N-P-K Analysis	Micronutrients
Brandt In-Cyte	3-12-1	1% Humic, 2% Seaweed
Brandt Uptake 12	-	12% Humic Acid
Brandt Seaweed Max	-	25% Seaweed, 1% Humic
Spray Indicators	Apply	Mix Rate
Big Foot™ Blue	As needed	16 oz. /100 USG Water



Plant Health Products

# Primo Maxx®

**Manage Clipping Yields While Elevating Your Turf To A New Level of Playability**

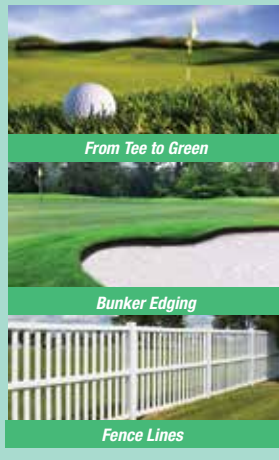
Primo MAXX is a unique management tool that allows golf course superintendents to better manage turfgrass on their courses. It does this by actually altering the way turfgrass grows, resulting in more compact, healthier grass that produces fewer fresh weight clippings by up to 50% and a reduction in grass height of up to 20% for up to four weeks.

**Benefits in using Primo MAXX:**

- Can be used as a pre-stress conditioning tool to prepare turf for summer extremes such as heat and drought.
- Less clipping yields results in a healthier cut – more predictable, consistent playing conditions and better turf wear recovery.
- Reduced wear on equipment, lower labour costs, and reduced fuel consumption.

**Application Rate for Primo MAXX:**

- 4 ml / 100m<sup>2</sup> monthly for Bentgrass.
- 3.78 litre container.
- PCP: 26989



# ADVANTAGE+ seaweed



**Aquatrols Advantage Plus Seaweed**

A convenient supplement to your regular fertility or surfactant program. **Advantage Plus Seaweed** pellets promotes fast recovery of stressed turf and stimulates root growth leading to healthy, vigorous turfgrass. Use **Advantage Plus Seaweed** pellets in conjunction with your regular hand watering and syringing to improve overall turf performance. Improved, balanced .01-.01-.03 + 0.2% Iron and Seaweed Extract formula.

- Promotes fast recovery of stressed turf while stimulating root growth.
- Application Rate: One Advantage Plus Seaweed pellet will treat approximately 4 to 6 average-sized greens, watering at a rate of roughly 10 minutes per green.
- One box contains 6 x 226-gram (8 oz.) pellets.
- Easy to use with the PelletPro™ Applicator Gun.



PelletPro™ Applicator Gun

# EcoTea™

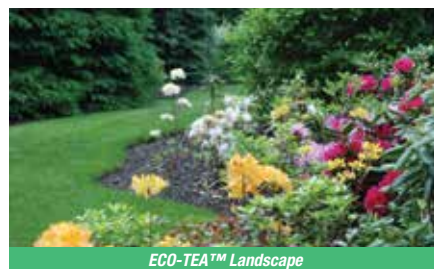
**ECO-TEA™** is a biological soil amendment that helps to build and replenish the beneficial microbial community in soil and plant root systems. The organisms found in **ECO-TEA™** will cause an immediate improvement in root biomass and function, creating a stronger, more vigorous plant. This product is 100% sustainable and contains no human pathogens.

The plant beneficial biology within **ECO-TEA™** will help to decrease stress from pathogenic bacteria, fungi, and some insects – while increasing the effectiveness of fertilizers. This helps plants focus less on producing energy expensive shock proteins and more on biomass production. The added blend of humic, fulvic, long-chain amino acids – Atlantic kelp extract, simple/complex carbohydrates, and enzymes benefit overall plant health.

Introducing the newly refined and simplified **ECO-TEA™ HDI** System for Golf courses, Sports Fields, and Landscapes and Residential lawns. The new **HDI** lineup of products is the simpler approach to introducing the benefits of **ECO-TEA™** to your plant health management strategies.

**HDI** gives you the flexibility to mix and apply the products to turf or to maximize the true benefits of **ECO-TEA™** by supercharging the **HDI** concentrate with aeration for 24 hours. This aeration process truly unlocks the potential of what **ECO-TEA™** has to offer your turf.

The **HDI** System offers three different formulations to meet your specific needs – *HDI for Golf Greens and Tees, HDI for Fairways, and HDI for Sports Fields, Commercial Landscape & Lawn Care.*



## EcoTea™ Dry Seed Treatment For Turf Professionals

**EcoTea™ Dry Seed Treatment** is a biological inoculant that will coat the seed with ecologically functional microbes, which will help break seedling dormancy, improve root development, increase nutrient use efficiency, and increase resistance to diseases. This product is sustainable and contains no human pathogens.

- A simple and easy-to-use 2-part product that when combined will treat 200 pounds of grass seed.
- Product can be portioned if using less than 200 pounds of grass seed.
- 2-Litre size