

# Foliar Nutrient Product Guide 2017

Terralink Horticulture is pleased to be able to offer a complete line-up of Liquid, Water Soluble, and Bio-stimulant products specific to foliar feeding of Turf-grass in Western Canada.

## Liquid Products

Our liquid fertilizers offer turf managers a variety of options, from single nutrient fertilizers to complete analysis / biostimulant packages. Our product line enables you to target one nutrient or provide multi-nutrient feeding.

### 18-3-4 GreensMaxx

Our most complete foliar mixture. Contains a full N,P,K nutrient package along with minor nutrients and Kelp Extract. Can be used any time a full compliment of nutrients is required, ideally during summer months. For long term soil uptake of Nitrogen 18-3-4 is also stabilized with Hydrex Technology. Hydrex stabilizes nitrogen making it more available for plant uptake through roots plus reducing nitrate leaching into the environment. Apply at 1/8th of Nitrogen per 1000 sq. ft ( 300 ml of product / 1000 sq.ft )

### 12-0-0 + Fe / MAXX IRON

Our 'workhorse' product for adding colour to greens, tees and fairways. A combination of Urea and 2 – Iron sources designed to colour up turf. Often added along with Primo Maxx programs throughout the growing season. Use at 120 – 240 ml / 1000 sq. ft.

### 5-0-0 MINORS MIX

A micronutrient package highly suited for application to sand based soil profiles low in micronutrients. Can be tanked mix with a variety of liquid fertilizers on a bi-weekly program or any time tissue tests indicate low nutrients. Apply at 120 – 240 ml / 1000 sq. ft.

### 28-0-0 N-Sure

A high nitrogen controlled release foliar fertilizer. Combination of urea and methylene urea in a liquid, easy to use form, makes this a safe residual nitrogen source. Can be feed alone or tank mixed with other liquid fertilizers. Often used as a component with Primo Maxx programs. Economical for fairways as well as greens and tees.

### 30-0-0 Spring – N

A combination of N-Sure 28-0-0 plus additional urea. 30-0-0 results in an even split of 50% urea nitrogen and 50% N-Sure nitrogen. Typically used in cooler times of the year when temperatures are low, whereby more free urea is required to green up turf. Can be used in conjunction with other foliar nutrients as well as Primo Maxx programs.

### 0-0-25 KTS / Hi-K

0-0-25 or KTS as it is also referred to is a high potassium foliar fertilizer used on greens, tees and fairways. Can be used on its own or in conjunction with other products like N-Sure 28-0-0. By combining these two products at different proportions turf managers can create a variety of N:K ratios suitable for each season. For example: 2:1 spring, 1:1 summer and 1:2 fall ratios can easily be created from these two products.

## Water Soluble Fertilizers

In addition to liquids Terralink also offers a complete line of water soluble fertilizers. These are also available as single nutrient products or complete packages. The following outlines are most popular turf products.

### PLANT PROD 12-0-12 SAND BASED

Plant-Prod 12-0-12 is an ammoniacal nitrogen based fertilizer, containing a high level of sulphur and micro-nutrients ideal for new sand based greens during and after a grow in. Also used during cool weather situation whereby urea is slow to convert. Avoid application in hot or overly dry conditions.



### PLANT PROD 28-14-14 Hi-Nitrogen

Conditions whereby top growth is required respond well to this formula. It can be used for foliar feeding due to its very low salt index and high level of urea nitrogen. Use during periods of vegetative growth when plants have a high nitrogen requirement. Use to correct nitrogen deficiency where soil or tissue tests show low nitrogen. Contains a full complement of micronutrients.

### PLANT PROD 12-2-14 Complete

- Does not contain Urea and more than 97% of its Nitrogen is in the form of Nitrate. Making it ideal for dark weather, low light conditions.
- Ideal 2:1 Calcium /Magnesium ratio
- Contains full complement of micro-nutrients
- Contains Nitrogen, Phosphorus, Potassium, Calcium and Magnesium in the same formula.

### PLANT PROD MICRO-TURF

Plant-Prod Turf Micronutrient Mix is a totally water

soluble micronutrient mix specifically designed for turf applications. It can be used as a supplement where micronutrient deficiencies exist, or as a part of a regular feeding program. This product will encourage good colour without producing excessive growth. Plant-Prod Turf Micronutrient Mix is formulated for soil or foliar applications. It can be applied through injection, drip, fertigation or sprayer systems. It is also compatible with most commonly used soluble fertilizers and pesticides. As always, read product labels for compatibility confirmation before application.

#### **NITRA-K: Potassium Nitrate**

Nitra-K, more commonly known as potassium nitrate is a homogenous combination of nitrate nitrogen and potassium in a highly dissolvable form. Its 13-0-44 analysis provides a 1:3 ratio ideally used as a green up (due to nitrate – N) in cool, low sunlight situations. With its high potassium analysis Nitra-K lends itself to summer application as a heat stress reducer and a cold tolerance enhancer in fall.

#### **21-0-0 'BEST'**

21-0-0 or ammonium sulphate has been used on turfgrass for years. We like the 'BEST' brand for its solubility and cleanliness. Can be used in spring when green-up is required or any time additional nitrogen is needed.



#### **UMAXX®**

UMAXX® stabilized nitrogen (N) fertilizer provides protection against all three forms of nitrogen (N) loss - leaching, denitrification and volatilization. It is a urea-based product with a 46-0-0 analysis, containing both urease and nitrification inhibitors. A completely soluble granular, UMAXX® fertilizer is equally effective whether spread dry or dissolved in a spray mix.

#### **Additional Water Solubles:**

- Potassium Sulphate 0-0-50
- Iron Sulphate ( 20% Iron )
- Iron Chelate 13% Fe
- Manganese Chelate 13%
- Zinc Chelate 15%
- Eco Boron (Boron)
- Mono-Potassium Phosphate 0-52-34



## **Water Management Products**

#### **PBS150**

Polyfunctional Branched Surfactant

PBS150 is a long-term surfactant utilizing a unique multi-branched molecular structure to address the source of performance loss – biodegradation of the surfactant molecule by soil microbes. PBS150 sustains a longer uniform soil moisture profile. PBS150 has proven it will:

- Reduce hydrophobic conditions on a sustainable basis for 5 months or more
- Encourage a pattern of hydration and re-hydration that improves the amount of available water in the soil profile to meet the metabolic demands of the plant
- Restore the uniform movement of water into and through the soil matrix
- Promote improvement in turfgrass quality, color, and uniformity
- Improve stress tolerance



#### **OARS PS**

Soil Penetrating Surfactant with Organic Acid Redistribution System

- Provides firm, fast playing surfaces
- Increases penetration of water
- Improves water management efficiency
- Loosens and redistributes humic coatings from hydrophobic soil particles

OARS PS, Soil Penetrating Surfactant, is a combination of the university researched, field proven, and patented organic acid redistribution system, OARS, and multi-branched penetrant chemistry. OARS PS controls soil water repellency while providing uniform soil moisture for a longer period of time.



#### **ADDITIONAL SPRAY ASSIST PRODUCTS**

- Tank Cleaner
- Halt – Anti Foaming Agent
- Agral 90 – Surfactant
- Fighter F – Drift Retardant
- Wintergreen Scent – Odor Control
- Foam Marker – spray boom width marker