



Fertility Products

3 Tier's fertility products are designed using our proprietary formulation and blending process. Food grade nutrients are scientifically blended to create a low salt liquid formula that contains an all-new uniquely processed humic/fulvic acid combination called **Carboxx**. **Carboxx** provides a fully activated, 98% water soluble humic/fulvic acid that increases the plants ability to absorb nutrients through its unique delivery system. **Carboxx** also buffers against burning and restores natural soil conditions, providing the essential building blocks for a balanced growing environment while making all nutrients more available for cellular uptake compared to conventional liquid nutrients.

Microbe 3-10-8 is one of our most popular specialty products now offered in a Guaranteed Analysis. Our nutrient products **Root & Groom** and **Establish** have been proportioned with our complete **Huma-Balance XL** microbial package to create an easy to use pre-mix blend. This performance blend is designed specifically for general maintenance of hybrid putting surfaces and is ideal for new plant establishment in all turf or agricultural applications while providing a complete microbial booster for improved soil health.

*Also Known as Blue-Brown XL

Microbe 3-10-8 Liquid Fertilizer Guaranteed Analysis

Total Nitrogen (N)	3%
0.72% Ammoniacal Nitrogen	
0.66% Nitrate Nitrogen	
1.62% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	10%
Soluble Potash (K ₂ O)	8%
Total Microbial Content	757 Billion cfu/gal
Amino Acid Complex	7%
Total Carbon	3%

Derived From: Ammonium Hydroxide, Urea, Phosphoric Acid, Potassium Hydroxide, and Potassium Nitrate.

Microbe 7-7-6 is another popular specialty product now offered in a Guaranteed Analysis. Our nutrient products **Growth** and **Establish** have been proportioned with our complete **Huma-Balance XL** microbial package to create an easy to use pre-mix blend. The performance blend is designed to promote controlled growth while providing a foundation for improved soil regeneration and structure for improved natural soil health.

*Also Known as Blue-Gro XL

Microbe 7-7-6 Liquid Fertilizer Guaranteed Analysis

Total Nitrogen (N)	7%
1.68% Ammoniacal Nitrogen	
1.54% Nitrate Nitrogen	
3.78% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	7%
Soluble Potash (K ₂ O)	6%
Total Microbial Content	757 Billion cfu/gal
Amino Acid Complex	7%
Total Carbon	5%

Derived From: Ammonium Hydroxide, Urea, Phosphoric Acid, Potassium Hydroxide, and Potassium Nitrate

Root & Groom™ 3-16-15 is rich in potassium and phosphorus. This liquid foliar fertilizer increases nutrient storage, providing stress relief. **Root & Groom** promotes the formation of chlorophyll, and the uptake of proteins, vitamins, and critical enzymes needed for root development. **Root & Groom** is highly beneficial for tournament preparation of turf, for improved yield production when applied as a foliar to the crop just prior to or at fruit set, and for plants just prior to harvest, transplant or installation. This formula will improve a plant's ability to combat the harmful effects of heat stress, frost damage, plant drought, or the shock of transplanting.

Root & Groom 3-16-15 Liquid Fertilizer Guaranteed Analysis

Total Nitrogen (N)	3%
1.20% Ammoniacal Nitrogen	
1.80% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	16%
Soluble Potash (K ₂ O)	15%

Derived From: Ammonium Hydroxide, Urea, Phosphoric Acid and Potassium Hydroxide.

Establish 5-16-12 is a multi-use, liquid, soil or foliar fertilizer for new seed or plant establishment. **Establish** provides rapid absorption of critical nutrients needed for increased germination, improved rooting, early transplant development, and healthy seed or plant establishment. Unlike conventional fertilizers, **Establish** can be applied directly to the seed bed for maximum germination and plant development. This formula provides weeks of balanced nutrition and can be custom blended or applied with other 3 Tier Products, providing a cost effective solution for plant starter packages and use in other 3 Tier protocols.

Establish 5-16-12 Liquid Fertilizer Guaranteed Analysis

Total Nitrogen (N)	5%
1.90% Ammoniacal Nitrogen	
.20% Nitrate Nitrogen	
2.90% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	16%
Soluble Potash (K ₂ O)	12%

Derived From: Ammonium Hydroxide, Urea, Phosphoric Acid, Potassium Hydroxide, and Potassium Nitrate.

Maintain™ 8-16-8 is a liquid foliar fertilizer that promotes top growth, improves root development, and aids damaged and diseased plants by increasing the plant's ability to uptake calcium, vitamins, and important enzymes. Regular use of **Maintain** provides balanced N-P-K required for consistent, dependable growth that eliminates the peaks and valleys of traditional fertility programs. **Maintain** should be applied in combination with all **3 Tier Products** throughout the growing season.

Maintain 8-16-8

Liquid Fertilizer

Guaranteed Analysis

Total Nitrogen (N)	8%
3.13% Ammoniacal Nitrogen	
0.42% Nitrate Nitrogen	
4.45% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	16%
Soluble Potash (K ₂ O)	8%

Derived From: Ammonium Hydroxide, Urea, Phosphoric Acid, Potassium Hydroxide, and Potassium Nitrate.

Bloom Boost 0-16-15 is a phosphorus and potassium rich liquid foliar fertilizer driven by our unique carbon rich delivery platform. When you are looking for increased nutrient uptake that delivers higher plant quality like increased proteins, higher THC and Terpenes, increased crop flavour/yield, with increased stress tolerance, **Bloom Boost** is the right choice. This multi-use, concentrated, liquid fertilizer can be applied through irrigation systems or mechanical sprayers with ease. This formulation is part of our unique **3 Tier Products** offering providing today's growers with cost effective alternatives to traditional products on the market. Proven results on alfalfa, grains, cannabis, hemp, greenhouse vegetable production, and as a phos acid replacement.

Bloom Boost 0-16-15

Liquid Fertilizer

Guaranteed Analysis

Total Nitrogen (N)	0%
Available Phosphate (P ₂ O ₅)	16%
Soluble Potash (K ₂ O)	15%

Derived From: Phosphoric Acid, Potassium Hydroxide

Growth 16-4-8 QR (Quick Release)™ is a low P & K liquid foliar fertilizer containing a higher percentage of high quality urea for greater plant response and growth. This formula is complemented with a lower percentage of the patented, heterocyclic, organic nitrogen compound called urea-triazone. Regular use of **Growth QR** provides immediate growth with a quality slow release for consistent, long term dependable growth.

Growth QR 16-4-8

Liquid Fertilizer

Guaranteed Analysis

Total Nitrogen (N)	16%
1.00% Nitrate Nitrogen	
10.50% Urea Nitrogen	
4.50% Slow Release* Nitrogen	
Available Phosphate (P ₂ O ₅)	4%
Soluble Potash (K ₂ O)	8%

Derived From: Urea, Phosphoric Acid, Potassium Hydroxide, and Potassium Nitrate. *4.50% Slow-Release Nitrogen from Urea Triazone

Nitro 21-0-0™ is 100% urea nitrogen blend for maximum growth. This unique nitrogen formula outperforms other foliar /soil nitrogen blends by remaining on the leaf surface longer in the liquid phase for increased absorption, reduced ammonia volatilization, greatly reduced burn potential, and a longer more uniform nitrogen release pattern. This low-salt formula is delivered by 3 Tier's unique Activated Humic Acid technology that dramatically reduces any potential for plant burn after application. This product can mixed and used with all 3 Tier products and program.

Nitro 21-0-0

Liquid Fertilizer

Guaranteed Analysis

Total Nitrogen (N)	21%
5.25% Ammoniacal Nitrogen	
5.25% Nitrate Nitrogen	
10.00% Urea	
Available Phosphate (P ₂ O ₅)	0%
Soluble Potash (K ₂ O)	0%

Derived From: UAN

General Fertility Application Guidelines:

Foliar Applications: Apply 32 to 128 ounces of **3 Tier Fertility Products** per acre in a minimum of 10 gallons of water. **3 Tier Fertility Products** are safe for application on most plants, crops and turf and can be applied every week to four weeks or as needed for desired plant growth. Let application dry on plant for 3 to 6 hours prior to irrigation or rainfall.

For New Seed or Early Plant Establishment: Apply 32-64 ounces of **Establish 5-16-12** per acre in a minimum of 10 gallons of water. For best results, apply solution directly to the seed bed during seed application. If direct application is not possible, apply directly to the soil immediately before or after seed application.

Note: **3 Tier Fertility Products** can be tank mixed with most products and pesticides though it is always recommended to jar test compatibility prior to tank mixing any new product combination.

For maximum performance, apply all **3 Tier Fertility Products** in combination with **Huma-Boost**, **Huma-Balance XL** or **Cal 86 Plus**.

Contact your local **3 Tier Technologies** rep. for specific programs & convenient specialty pre-mixes that will meet your special needs & expectations.

