



# Fertility Products

**3Tier 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 Guarantee 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

<b>Total Nitrogen (N)</b> .....	<b>3%</b>
0.72% Ammoniacal Nitrogen	
0.66% Nitrate Nitrogen	
1.62% Urea Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	<b>10%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>8%</b>
<b>Total Microbial Content</b> .....	<b>864 Billion cfu/cc</b>
<b>Amino Acid Complex</b> .....	<b>7%</b>
<b>Total Carbon</b> .....	<b>3%</b>
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

<b>Total Nitrogen (N)</b> .....	<b>7%</b>
1.68% Ammoniacal Nitrogen	
1.54% Nitrate Nitrogen	
3.78% Urea Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	<b>7%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>6%</b>
<b>Total Microbial Content</b> .....	<b>864 Billion cfu/cc</b>
<b>Amino Acid Complex</b> .....	<b>7%</b>
<b>Total Carbon</b> .....	<b>5%</b>
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

<b>Total Nitrogen (N)</b> .....	<b>3%</b>
1.20% Ammoniacal Nitrogen	
1.80% Urea Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	<b>16%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>15%</b>
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

<b>Total Nitrogen (N)</b> .....	<b>5%</b>
1.90% Ammoniacal Nitrogen .	
20% Nitrate Nitrogen	
2.90% Urea Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	<b>16%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>12%</b>
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<sub>2</sub>O<sub>5</sub>) ..... 16%  
Soluble Potash (K<sub>2</sub>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<sub>2</sub>O<sub>5</sub>) ..... 16%  
Soluble Potash (K<sub>2</sub>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<sub>2</sub>O<sub>5</sub>) .....4%  
Soluble Potash (K<sub>2</sub>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 3Tier's unique Activated Humic Acid technology that dramatically reduces any potential for plant burn after application. This product can be 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<sub>2</sub>O<sub>5</sub>).....0%  
Soluble Potash (K<sub>2</sub>O) .....0%

Derived From: UAN

**Huma-K 0-0-15** is a premium quality, immediately available Potassium source from a high-grade Potassium Citrate in a unique blend of ingredients, including our proprietary cold pressed Ascophyllum nodosum seaweed and our advanced humic/fulvic acid called **Carboxx**. This combination provides valuable Potassium assists in better water/nutrient uptake while helping synthesize proteins and starches.

**Huma-K 0-0-15**  
Liquid Fertilizer  
Guaranteed Analysis

Total Nitrogen (N) ..... 0%  
Available Phosphate (P<sub>2</sub>O<sub>5</sub>).....0%  
Soluble Potash (K<sub>2</sub>O).....15%

Derived from Potassium Citrate

**ALSO CONTAINS NONPLANT FOOD INGREDIENTS**

Total Carbon.....5%  
Humic Acid.....3%  
Cold Press Seaweed.....1%

