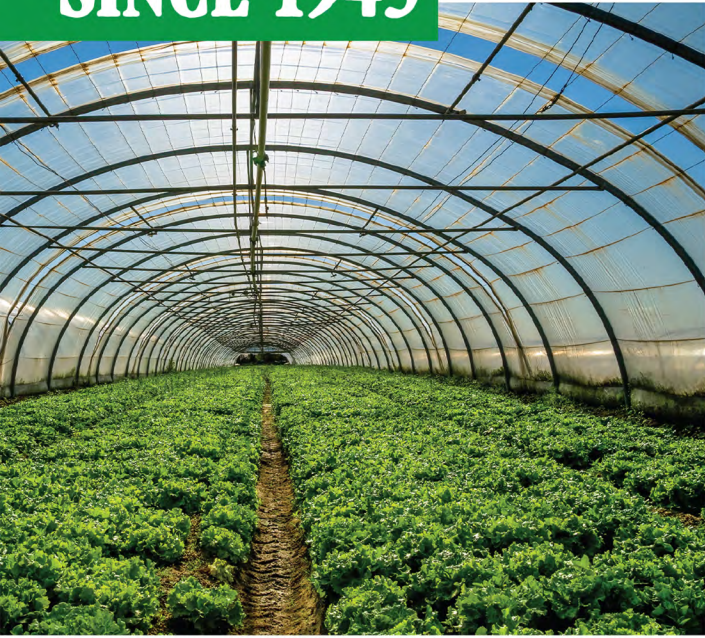


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Water Soluble

Controlled Release

Liquid Formulas

Micro-Nutrient Packages

Primary Nutrients NPK

Fertilizer Components

Agricultural Inputs

Grower & Landscape Fertilizers



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From the President

Since 1945, Carl Pool has developed superior, high quality fertilizers and innovative first-in-the-industry products. Today, we continue to develop only the best, most effective products in the industry. When other businesses cut corners, we never do. We want satisfied customers and healthy plants. **Your success is our success.**

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Scott Hammer



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Granular Fertilizers

Colorscapes 19-13-6

Contains nitroform, blood and bone meal. Excellent micronutrient package with extra sulfur and iron. The **ultimate** bed fertilizer for landscape contractors. Excellent for container growers too.

Total Nitrogen (N)	19.00%
5.25% Ammoniacal Nitrogen	
6.75% Water Soluble Nitrogen	
7.00% Urea Nitrogen	
Available Phosphoric Acid (P205)	13.00%
Soluble Potash (K20)	6.00%
Calcium (Ca)	2.95%
Magnesium (Mg)	1.45%
Sulfur (S)	2.15%
Boron (B)	0.0200%
Cobalt (Co)	0.0005%
Copper (Cu)	0.0500%
Iron (Fe)	3.8500%
Manganese (Mn)	0.2500%
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.2500%

Controlled Release 13-13-13

With its 3 to 4 month release period and balanced micronutrients it is an economical and effective alternative to higher priced controlled release fertilizers that contain no micronutrients.

Total Nitrogen (N)	13.00%
13% Urea Nitrogen	
Available Phosphate (P205)	13.00%
Soluble Potash (K20)	13.00%
Calcium (Ca)	1.40%
Magnesium (Mg)	1.70%
Sulfur (S)	7.10%
Boron (B)	0.025%
Copper (Cu)	0.06%
Iron (Fe)	1.60%
Manganese (Mn)	0.06%
Zinc (Zn)	0.06%
Molybdenum (Mo)	0.0006%

Myco Boost 18-6-12

Slow release fertilizer plus 4 species of Endomycorrhizae to optimize soil fertility. A premium workhorse formula for plant growth exceeding standard fertilizer blends.

Total Nitrogen (N)	18.00%
4.60% Ammoniacal Nitrogen	
1.20% Nitrate Nitrogen	
1.40% Urea Nitrogen	
2.10% SAWSN	
8.70% WIN	
Available Phosphate (P205)	6.00%
Soluble Potash (K20)	12.00%
Calcium (Ca)	0.83%
Magnesium (Mg)	0.65%
Sulfur (S)	6.98%
Boron (B)	0.02%
Copper (Cu)	0.06%
Iron (Fe)	1.62%
Manganese (Mn)	0.06%
Zinc (Zn)	0.13%
Endomycorrhizae	720 propagules/Lb.

Palm Food 12-4-12

A Complete palm food for container palms and palms in the landscape. Contains slow release ureaform, and the **EXTRA** magnesium and manganese palms need.

Total Nitrogen (N)	12.00%
5.54% Ammoniacal Nitrogen	
0.93% Urea Nitrogen	
5.53% Water Insoluble Nitrogen	
Available Phosphate (P205)	4.00%
Soluble Potash (K20)	12.00%
Calcium (Ca)	2.75%
Magnesium (Mg)	5.00%
Sulfur	8.00%
Copper (Cu)	0.06%
Iron (Fe)	2.50%
Manganese (Mn)	2.00%
Zinc (Zn)	0.25%

Pro Green 12-6-6

Slow release, poly sulfur coated urea based. 3 to 4 month formulation for general purpose nursery use. Full micro nutrient package.

Total Nitrogen (N)	12.0000%
2.30% Ammoniacal Nitrogen	
1.70% Nitrate Nitrogen	
8.00% Urea Nitrogen	
Available Phosphate (P205)	6.0000%
Soluble Potash (K20)	6.0000%
Calcium (Ca)	10.0000%
Sulfur (S)	0.7500%
Iron (Fe)	0.2500%
Magnesium (Mg)	5.0000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0005%
Boron (B)	0.0200%
Zinc (Zn)	0.0500%
Copper (Cu)	0.0500%

Top Dress Incorporate 21-7-12

3 to 4 month formulation. Multiple nitrogen sources for sustained release pattern. Controlled release from ureaform, activated by moisture and microbial activity — not temperature. Contains a complete, balanced micronutrient package.

Total Nitrogen (N)	21.000%
5.80% Ammoniacal Nitrogen	
1.30% Nitrate Nitrogen	
2.00% Urea	
11.90% Water Insoluble Nitrogen	
Available Phosphate (P205)	7.000%
Soluble Potash (K20)	12.000%
Calcium (Ca)	1.650%
Magnesium (Mg)	1.430%
Sulfur (S)	3.280%
Boron (B)	0.007%
Copper (Cu)	0.054%
Iron (Fe)	1.100%
Manganese (Mn)	0.052%
Zinc (Zn)	0.054%

Total Nursery Top Dress 12-5-9

An excellent 3 month general purpose top dress for all container plants. Great micronutrient package with recommended calcium/magnesium ratio. Formulated with blue chip ureaform.

Total Nitrogen (N)	12.000%
4.50% Ammoniacal Nitrogen	
1.10% Nitrate Nitrogen	
0.90% Urea Nitrogen	
5.50% Water Insoluble Nitrogen	
Available Phosphate (P205)	5.0000%
Soluble Potash (K20)	9.0000%
Calcium (Ca)	6.0000%
Magnesium (Mg)	3.0000%
Sulfur (S)	5.0000%
Boron (B)	0.0250%
Copper (Cu)	0.0750%
Iron (Fe)	3.7500%
Manganese (Mn)	0.6000%
Molybdenum (Mo)	0.0007%
Zinc (Zn)	0.0300%

Fall Feed 0-10-10

For all fall and winter root feeding.

Nitrogen (N)	0.0000%
Available Phosphate (P205)	10.0000%
Soluble Potash (K20)	10.0000%
Calcium (Ca)	9.9000%
Magnesium (Mg)	4.9500%
Sulfur (S)	5.4000%
Copper (Cu)	0.1100%
Iron (Fe)	2.5000%
Manganese (Mn)	0.4700%
Zinc (Zn)	0.4000%



Liquid Fertilizers

Bioblast 7-7-7

The world's first full-spectrum plant growth formula. BIOBLAST liquid plant food contains Nutrients, B-Vitamins & Bioactivators. Use on fruits, vegetables and any high dollar crop.

Total Nitrogen (N)	7.00%
2.20% Ammoniacal Nitrogen	
4.80% Nitrate Nitrogen	
Available Phosphate (P205)	7.00%
Soluble Potash (K20)	7.00%
Sulfur (S)	0.10%
Iron (Fe)	0.40%
Zinc (Zn)	0.03%
Vitamin B1	0.00016%
Vitamin B2	0.00001%
Vitamin B6	0.00007%
<i>Also contains Bioactivators & Rooting Agents</i>	



Micronutrient Packages

MicroPak

(available in 50 lb. bags)

Calcium (Ca)	1.500%
Magnesium (Mg)	2.700%
Sulfur (S)	16.500%
Boron (B)	0.100%
Copper (Cu)	0.500%
Iron (Fe)	16.000%
Manganese (Mn)	2.500%
Molybdenum (Mo)	0.005%
Zinc (Zn)	1.000%

MicroPak Granular

(available in 50 lb. bags)

Calcium (Ca)	6.850%
Magnesium (Mg)	3.420%
Sulfur (S)	20.25%
Copper (Cu)	0.750%
Iron (Fe)	16.250%
Manganese (Mn)	3.000%
Zinc (Zn)	2.560%

Micro Blast

(available in 50 lb. bags - All Micros available in frit form)

Calcium (Ca)	7.000%
Magnesium (Mg)	6.000%
Sulfur (S)	13.000%
Copper (Cu)	0.850%
Iron (Fe)	15.000%
Manganese (Mn)	3.500%
Molybdenum (Mo)	0.028%
Zinc (Zn)	3.000%

High Intensity Trace, Soluble (HITS)

Sulfur (S)	15.700%
Boron (B)	1.500%
Copper (Cu)	3.300%
Iron (Fe)	8.000%
Manganese (Mn)	8.200%
Molybdenum (Mo)	0.056%
Zinc (Zn)	4.600%



Fertilizer Components

Water Soluble Macros

(available in 50 lb. bags)

Calcium Chloride Flake (77%)	
Calcium Nitrate GG (15.5-0-0.19Ca)	
Magnesium Nitrate (10.8-0-0.9.3Mg)	
Monoammonium Phosphate MAP (12-61-0)	
Monopotassium Phosphate MKP (0-52-34)	
Potassium Sulfate (0-0-52-17S)	
Urea, Mini-Prilled (46-0-0)	
Urea Phosphate (18-44-0)	

Water Soluble Micros

(available in 50 lb. bags, 5 lb. pails)

Chelates	
Copper EDTA	15% Cu
Iron DTPA	11% Fe
Iron EDTA	13% Fe
Manganese EDTA	13% Mn
Zinc EDTA	15% Zn

Sulfates

(available in 50 lb. bags, 5 lb. pails)

Aluminum	15% Al
Copper	25% Cu
Ferrous	20% Fe
Magnesium	9.8% Mg
Manganese	29% Mn
Zinc	36% Zn

Miscellaneous

Sodium Borate	11.3% B
<i>(available in 50 lb. bags, 5 lb. pails)</i>	
Molybdenum	57.7% Mo
<i>(available in 8 oz. jar, 1 lb. jar, 5 lb. pail)</i>	

Water Soluble Dyes

Green Flowable	
Blue Flowable	
Blue (Non-Staining Liquid)	

Non Water Soluble

Calcium Sulfate - Gypsum (50 lb. bags)	
Dolomitic Lime 20%Ca 10%Mg (Mill Creek, OK)	
Fine, Coarse (50 lb. bags)	

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- **Custom formulations available**

15-45-7 Turf Start is formulated for successful hydromulch seeding. The high phosphorus level improves seed germination and root development and gets your turf off to a fast start.

Guaranteed Analysis

Total Nitrogen (N)	16.0000%
8.350% Ammoniacal Nitrogen	
1.650% Nitrate Nitrogen	
5.000% Urea Nitrogen	
Available Phosphate (P2O5)	45.0000%
Soluble Potash (K2O)	7.0000%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0500%

16-17-17 Peat Lite w/Sulfur is ideal for all soilless media. It has a balance of ammoniacal and nitrate nitrogen with extra magnesium and sulfur. A very versatile high acid formula.

Guaranteed Analysis

Total Nitrogen (N)	16.0000%
7.200% Ammoniacal Nitrogen	
8.800% Nitrate Nitrogen	
Available Phosphate (P2O5)	17.0000%
Soluble Potash (K2O)	17.0000%
Magnesium (Mg)	1.0000%
Sulfur (S)	1.3300%
Boron (B)	0.0100%
Copper (Cu)	0.0200%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0120%
Zinc (Zn)	0.0500%

CCE Equivalent 920

17-5-17 High Nitrate Plus Calcium is a low phosphorus, high nitrate, no urea formula. It has a complete micronutrient package with extra calcium and magnesium. This is an excellent formula for pansy and other bedding plants, and is recommended by leading pansy experts.

Guaranteed Analysis

Total Nitrogen (N)	17.0000%
4.160% Ammoniacal Nitrogen	
12.840% Nitrate Nitrogen	
Available Phosphate (P2O5)	5.0000%
Soluble Potash (K2O)	17.0000%
Calcium (Ca)	4.7500%
Magnesium (Mg)	1.0230%
Boron (B)	0.0060%
Copper (Cu)	0.0260%
Iron (Fe)	0.0750%
Manganese (Mn)	0.0290%
Molybdenum (Mo)	0.0007%
Zinc (Zn)	0.0260%

CCE Equivalent 240

18-9-18 Color Plus is a single bag solution for the practice of using 20-10-20 one week and 15-0-15 the next. This formulation combines the best of both to give you ease of use and quality growth. It contains 5% calcium and greatly reduces the yo-yo effect of constantly switching formulas.

Guaranteed Analysis

Total Nitrogen (N)	18.0000%
2.000% Ammoniacal Nitrogen	
9.500% Nitrate Nitrogen	
6.500% Urea Nitrogen	

Available Phosphate (P2O5)	9.0000%
Soluble Potash (K2O)	18.0000%
Calcium (Ca)	5.3000%
Magnesium (Mg)	0.2500%
Boron (B)	0.1500%
Copper (Cu)	0.0100%
Iron (Fe)	0.1500%
Manganese (Mn)	0.0560%
Molybdenum (Mo)	0.0560%
Zinc (Zn)	0.0560%

CCE Equivalent 420

18-18-18 Floral - Geranium Special is an excellent 1-1-1 ratio formula with more than 50% of its nitrogen in nitrate form. Use where low light or cool temperatures dictate restricted urea use. An excellent winter feed for all blooming plants and is used extensively for Easter lilies, Geraniums, and Hydrangeas.

Guaranteed Analysis

Total Nitrogen (N)	18.0000%
7.900% Ammoniacal Nitrogen	
10.100% Nitrate Nitrogen	
Available Phosphate (P2O5)	18.0000%
Soluble Potash (K2O)	18.0000%
Magnesium (Mg)	0.0060%
Boron (B)	0.0014%
Copper (Cu)	0.0035%
Iron (Fe)	0.0600%
Manganese (Mn)	0.0035%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0300%

CCE Equivalent 1100

20-10-20 Soilless Special is designed for application to soilless growing media. 20-10-20 is a low phosphate mix and can be used anywhere 20-20-20 would be used. This formulation contains a high nitrate to ammonium nitrogen balance, which means reliable nitrogen uptake under a variety of temperature and climate conditions, even during extended cool, overcast periods. Also fortified with an excellent trace element package.

Guaranteed Analysis

Total Nitrogen (N)	20.0000%
8.000% Ammoniacal Nitrogen	
12.000% Nitrate Nitrogen	
Available Phosphate (P2O5)	10.0000%
Soluble Potash (K2O)	20.0000%
Sulfur (S)	0.2100%
Boron (B)	0.0200%
Copper (Cu)	0.0100%
Iron (Fe)	0.0100%
Manganese (Mn)	0.0560%
Molybdenum (Mo)	0.0100%
Zinc (Zn)	0.0160%

CCE Equivalent 960

20-20-20 General Purpose is an excellent drip or foliar formula for warm weather feeding of container grown ornamentals, flowerbeds, turf or landscapes. No micronutrients are included. Use where a 1-1-1 fertilizer ratio is desired.

Guaranteed Analysis

Total Nitrogen (N)	20.0000%
4.300% Ammoniacal Nitrogen	
6.000% Nitrate Nitrogen	
9.700% Urea Nitrogen	
Available Phosphate (P2O5)	20.0000%
Soluble Potash (K2O)	20.0000%

CCE Equivalent 1180

20-20-20 General Purpose Plus has all the benefits of regular 20-20-20 plus an excellent micronutrient package. This balanced formula is great for a wide variety of water-soluble applications and has ammoniacal, nitrate, and urea nitrogen. Not recommended for crops that require high nitrate nitrogen.

Guaranteed Analysis

Total Nitrogen (N)	20.0000%
3.900% Ammoniacal Nitrogen	
6.000% Nitrate Nitrogen	
10.100% Urea Nitrogen	
Available Phosphate (P2O5)	20.0000%
Soluble Potash (K2O)	20.0000%
Magnesium (Mg)	0.0600%
Boron (B)	0.0014%
Copper (Cu)	0.0035%
Iron (Fe)	0.0600%
Manganese (Mn)	0.0035%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0030%

CCE Equivalent 1150

24-6-20 Forage Booster contains a complete array of major and minor nutrients that help trigger aggressive plant growth. Often used with the biostimulant Vitazyme. You can boost hay yields and quality with reduced nitrogen inputs. This new and unique pasture and hay program produces measurable results with all grasses.

Guaranteed Analysis

Total Nitrogen (N)	24.0000%
3.200% Ammoniacal Nitrogen	
4.800% Nitrate Nitrogen	
16.000% Urea Nitrogen	
Available Phosphate (P2O5)	6.0000%
Soluble Potash (K2O)	20.0000%
Magnesium (Mg)	0.0500%
Boron (B)	0.0200%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Sulfur (S)	3.5000%
Zinc (Zn)	0.0500%

CCE Equivalent 1350

25-8-16 Tree & Woody Special has a high concentration of urea nitrogen which is essential for successful tree and woody ornamental growth. This formula is highly acid forming with a CCE of 1220, which helps you combat high alkalinity in your water source. Excellent levels of iron, manganese, and zinc will help push your crop to maturity. Works well with all bark-based mixes and as a drip for field grown trees. Added to your slow release or granular fertilizer program, it will maximize your plant's growth potential.

Guaranteed Analysis

Total Nitrogen (N)	25.0000%
3.900% Ammoniacal Nitrogen	
4.800% Nitrate Nitrogen	
16.300% Urea Nitrogen	
Available Phosphate (P2O5)	8.0000%
Soluble Potash (K2O)	16.0000%
Magnesium (Mg)	0.3300%
Sulfur (S)	3.1000%
Boron (B)	0.0100%
Copper (Cu)	0.0200%
Iron (Fe)	0.1500%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0008%
Zinc (Zn)	0.0400%

CCE Equivalent 1220

25-9-17 Blueberry Special provides high nitrogen for healthy plant development. Has increased levels of sulfur and iron to prevent deficiencies. Formula is acid forming for acid loving plants. Promotes vigorous flowering and fruit set.

Guaranteed Analysis

Total Nitrogen (N)	25.0000%
3.130% Ammoniacal Nitrogen	
5.080% Nitrate Nitrogen	
16.790% Urea Nitrogen	
Available Phosphate (P2O5)	9.0000%
Soluble Potash (K2O)	17.0000%
Magnesium (Mg)	0.1500%
Sulfur (S)	1.7400%
Boron (B)	0.0200%
Copper (Cu)	0.0100%
Iron (Fe)	0.3750%
Manganese (Mn)	0.0560%
Molybdenum (Mo)	0.0100%
Zinc (Zn)	0.0160%

CCE Equivalent 760

28-8-18 Bentgrass / Turf Special is formulated to generate excellent vegetative growth due to its high nitrogen content. This ratio has a proven track record for golf greens. This formula provides superb results in athletic turf and golf fairway and green management. Acid forming to help control pH without acid injection.

Guaranteed Analysis

Total Nitrogen (N)	28.0000%
1.100% Ammoniacal Nitrogen	
5.000% Nitrate Nitrogen	
21.900% Urea Nitrogen	
Available Phosphate (P2O5)	8.0000%
Soluble Potash (K2O)	18.0000%
Magnesium (Mg)	0.0550%
Boron (B)	0.0200%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0010%
Zinc (Zn)	0.0500%

CCE Equivalent 1570

30-10-10 High N Special is a highly cost effective nitrogen source. Can be used with soil based, peat based, or bark and sand mixes. Excellent for woody plants that respond well to high urea nitrogen levels. Excellent for use as a quick green-up for nitrogen deficient plants. Effective in promoting lush foliage development in the greenhouse on all ornamentals, orchids, container azaleas and tropical foliage plants. High urea content makes it a very effective foliar feed.

Guaranteed Analysis

Total Nitrogen (N)	28.0000%
4.000% Ammoniacal Nitrogen	
3.000% Nitrate Nitrogen	
23.000% Urea Nitrogen	
Available Phosphate (P2O5)	8.0000%
Soluble Potash (K2O)	18.0000%
Magnesium (Mg)	0.0550%
Boron (B)	0.0200%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0010%
Zinc (Zn)	0.0500%

CCE Equivalent 1570

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9-58-8 BR-61 Blossom Booster Plant Starter

helps plants root faster and overcome transplant shock. It also promotes blossoming and fruiting. BR-61 is widely used in greenhouses and nurseries to supplement low phosphorus levels. No fertilizer works better to improve bud set, bud count, better color and flower life.

Guaranteed Analysis

Total Nitrogen (N)	9.0000%
9.000% Ammoniacal Nitrogen	
Available Phosphate (P2O5)	58.0000%
Soluble Potash(K2O)	
Iron (Fe)	0.1200%
Manganese (Mn)	0.0500%
Zinc (Zn)	0.0500%
CCE Equivalent 1460	

10-50-10 Rose Special is a superior acid forming formula widely used and recommended by rosarians. High levels of micronutrients promote lush foliage, long sturdy stems and a profusion of large colorful blooms. Rose Societies use and recommend this product for growing prize winning roses.

Guaranteed Analysis

Total Nitrogen (N)	9.0000%
6.700% Ammoniacal Nitrogen	
0.500% Nitrate Nitrogen	
2.800% Urea Nitrogen	
Available Phosphate (P2O5)	50.0000%
Soluble Potash (K2O)	10.0000%
Magnesium (Mg)	0.5000%
Copper (Cu)	0.0500%
Iron (Fe)	0.1800%
Manganese (Mn)	0.0500%
Zinc (Zn)	0.1100%
CCE Equivalent 1280	

14-28-14 Tomato / Vegetable / Fruit Tree

promotes larger yields of quality fruits and vegetables. Contains eight micronutrients and extra calcium to control blossom end rot.

Guaranteed Analysis

Total Nitrogen (N)	14.0000%
5.000% Ammoniacal Nitrogen	
5.000% Nitrate Nitrogen	
4.000% Urea Nitrogen	
Available Phosphate (P2O5)	28.0000%
Soluble Potash (K2O)	14.0000%
Calcium (Ca)	1.2500%
Magnesium (Mg)	0.5000%
Boron (B)	0.0200%
Copper (Cu)	0.0500%
Iron (Fe)	0.1000%
Manganese (Mn)	0.0500%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0500%
CCE Equivalent 760	

15-0-15 Hi Calcium has over 90% Nitrate Nitrogen and 11% calcium. Formulated for use in low light and cool growing conditions. An excellent source of calcium and magnesium and is often used in conjunction with other formulas. A "Base" fertilizer used where an alkaline environment is desired.

Guaranteed Analysis

Total Nitrogen (N)	15.0000%
1.100% Ammoniacal Nitrogen	
13.900% Nitrate Nitrogen	
Soluble Potash (K2O)	15.0000%
Calcium (Ca)	11.2900%
Magnesium (Mg)	0.2100%
Boron (B)	0.0200%
Copper (Cu)	0.0100%
Iron (Fe)	0.1500%
Manganese (Mn)	0.0560%
Molybdenum (Mo)	0.0100%
Zinc (Zn)	0.0162%
CCE Equivalent 340B	

15-6-9 Poinsettia One Step is an ideal general purpose feed for poinsettias which require additional molybdenum. It promotes sturdier stems, excellent color, and excellent all around growth and disease resistance. Over 90% of nitrogen is in nitrate form, which improves low light feeding.

Guaranteed Analysis

Total Nitrogen (N)	15.0000%
1.060% Ammoniacal Nitrogen	
11.480% Nitrate Nitrogen	
2.460% Urea Nitrogen	
Available Phosphate (P2O5)	6.0000%
Soluble Potash (K2O)	9.0000%
Calcium (Ca)	8.3800%
Magnesium (Mg)	1.5100%
Boron (B)	0.0200%
Iron (Fe)	0.0600%
Manganese (Mn)	0.0700%
Molybdenum (Mo)	0.0300%
Zinc (Zn)	0.0200%
CCE Equivalent 220B	

15-16-17 Peat Lite Special is intended for use in conjunction with peat lite mixes. Its high concentration of nitrate nitrogen makes it a very effective formula for all mixes containing bark. This balanced ratio formula with a strong trace element package helps prevent deficiencies associated with bark based and peat lite mixes. It is highly acid forming and is a very effective formula for mums and geraniums.

Guaranteed Analysis

Total Nitrogen (N)	15.0000%
9.000% Ammoniacal Nitrogen	
6.000% Nitrate Nitrogen	
Available Phosphate (P2O5)	16.0000%
Soluble Potash (K2O)	17.0000%
Boron (B)	0.0014%
Copper (Cu)	0.0035%
Iron (Fe)	0.0600%
Manganese (Mn)	0.0035%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0030%
CCE Equivalent 1160	

15-30-15 Hi-Phos Special is an excellent formula for root development in seedlings and cuttings. It greatly reduces transplant shock and is very effective in finishing off all blooming crops. Use it to promote prolific blooms on all flowering plants and to insure longer life for cut flowers. This highly acidic formula helps lower your pH when high pH water is used for irrigation.

Guaranteed Analysis

Total Nitrogen (N)	15.0000%
9.000% Ammoniacal Nitrogen	
6.000% Nitrate Nitrogen	
Available Phosphate (P2O5)	30.0000%
Soluble Potash (K2O)	15.0000%
Magnesium (Mg)	0.5500%
Sulfur	1.8700%
Boron (B)	0.0010%
Copper (Cu)	0.0035%
Iron (Fe)	0.0600%
Manganese (Mn)	0.0035%
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0035%
CCE Equivalent 1240	

100% water soluble



Quality Water Soluble Plant Foods

There's a formulation just right for you!

Formulation	Nitrogen-N			P	K	Micro Nutrients									
	Ammoniacal	Nitrate	Urea			Phosphorus	Potash	Calcium	Magnesium	Sulfur	Boron	Copper	Iron	Manganese	Molybdenum
BR 61 9-58-8	9.00			58.0	8.0						0.1200	0.0500		0.0500	1460
Pecan Special 18-6-6	6.40	0.60	11.00	6.0	6.0			10.0						9.0000	2000
Rose Special 10-50-10	6.70	0.50	2.80	50.0	10.0		0.500			0.0500	0.1800	0.0500		0.1100	1280
Hi-Calcium 15-0-15	1.10	13.90			15.0	11.290	0.210		0.0200	0.0100	0.1500	0.0560	0.0100	0.0160	340B
Poinsettia One Step 15-6-9	1.06	11.48	2.46	6.0	9.0	8.380	1.510		0.0200		0.1800	0.0700	0.0300	0.0200	220B
Peat Lite Special 15-16-17	9.00	6.00		16.0	17.0		0.060		0.0014	0.0035	0.0600	0.0035	0.0009	0.0030	1160
Hi-Phos Special 15-30-15	9.00	6.00		30.0	15.0		0.055	1.870	0.0010	0.0035	0.0600	0.0035	0.0009	0.0035	1240
Forage Booster 24-6-20	3.20	4.80	16.00	6.0	20.0		0.050	3.500	0.0200	0.0500	0.1000	0.0500		0.0500	1350
Hydroponic Special 4-18-38		3.36	0.64	18.0	38.0		0.950	1.250	0.0200	0.0500	0.4000	0.2000	0.0100	0.0500	808
Color Plus 18-9-18	2.00	9.50	6.50	9.0	18.0	5.3	0.25		0.0150	0.1000	0.1500	0.0560	0.0100	0.0560	420
High Nitrate+Ca 17-5-17	4.16	12.84		5.0	17.0	4.75	1.023		0.0060	0.0260	0.0750	0.0290	0.0007	0.0260	240
Soiless Special 20-10-20	8.00	12.00		10.0	20.0		0.160	0.210	0.0200	0.0100	0.1000	0.0560	0.0100	0.0160	960
General Purpose 20-20-20	4.30	6.00	9.70	20.0	20.0										1180
General Purpose Plus 20-20-20	3.90	6.00	10.10	20.0	20.0		0.060		0.0014	0.0035	0.0600	0.0035	0.0009	0.0030	1150
Tree & Woody Special 25-8-16	3.50	5.30	16.20	8.0	16.0		0.330	3.100	0.0100	0.0200	0.1500	0.0500	0.0008	0.0400	1220
Tomato/Vegetable 14-28-14	5.00	5.00	4.00	28.0	14.0	1.250	0.500		0.0200	0.0500	0.1000	0.0500	0.0009	0.0500	760
Bent Grass Special 28-8-18	1.10	5.00	21.90	8.0	18.0		0.055		0.0200	0.0500	0.1000	0.0500	0.0010	0.0500	1570
High N Special 30-10-10	4.00	3.00	23.00	10.0	10.0		0.060		0.0014	0.0035	0.0600	0.0035	0.0009	0.0030	2000



Carl Pool Fertilizer Injection Chart

Ounces per Gallon of Concentrate / Electrical Conductivity (EC) Reading

1:100 INJECTOR

Formulation	N - P - K	100 PPM		150 PPM		175 PPM		200 PPM		250 PPM	
		OZ	EC	OZ	EC	OZ	EC	OZ	EC	OZ	EC
BR 61	9-58-8	15.00	0.92	22.50	1.38	26.25	1.45	30.00	1.84	37.50	2.31
Pecan Special	18-6-6	7.50		11.25		13.12		15.00		18.75	
Rose Special	10-50-10	13.50	0.88	20.25	1.06	23.62	1.18	27.00	1.32	33.75	1.40
Hi-Calcium	15-0-15	9.00	0.91	13.50	1.19	15.75	1.34	18.00	1.46	22.50	1.51
Poinsettia (One Step)	15-6-9	9.00	0.93	13.50	1.37	15.75	1.52	18.00	1.73	22.50	2.19
Peat Lite Special	15-16-17	9.00	0.90	13.50	1.08	15.75	1.32	18.00	1.35	22.50	1.50
Hi-Phos Special	15-30-15	9.00	0.68	13.50	0.92	15.75	1.10	18.00	1.32	22.50	1.53
Peat Lite with Sulfur	16-17-17	8.50	0.89	12.75	1.28	14.75	1.12	17.00	1.77	21.10	2.02
Hydroponic Special	4-18-38	See Label									
Color Plus	18-9-18	7.50	0.79	11.25	0.93	13.12	1.22	15.00	1.38	18.75	1.63
High Nitrate+Ca	17-5-17	7.90	0.64	11.85	0.96	13.80	1.12	15.80	1.28	19.75	1.60
Soiless Special	20-10-20	6.75	0.50	10.12	0.70	11.80	0.80	13.50	0.91	16.87	1.05
General Purpose	20-20-20	6.75	0.46	10.12	0.72	11.80	0.75	13.50	0.98	16.87	1.24
General Purpose Plus	20-20-20	6.75	0.46	10.12	0.72	11.80	0.75	13.50	0.98	16.87	1.24
Tree & Woody Special	25-8-16	5.40	0.43	8.10	0.65	9.45	0.75	10.80	0.86	13.50	1.03
Tomato/Vegetable	14-28-14	9.50	0.66	14.30	0.95	16.70	1.15	19.00	1.26	23.80	1.58
Bent Grass Special	28-8-18	4.77		7.15		8.35		9.5		11.9	
High N Special	30-10-10	4.50	0.37	6.75	0.43	7.87	0.46	9.00	0.51	11.25	0.54

1:200 INJECTOR

Formulation	N - P - K	100 PPM		150 PPM		175 PPM		200 PPM		250 PPM	
		OZ	EC	OZ	EC	OZ	EC	OZ	EC	OZ	EC
BR 61	9-58-8	30.00	0.92	45.00	1.38	52.50	1.45	60.00	1.84	75.00	2.31
Pecan Special	18-6-6	15.00		22.50		26.25		30.00		37.50	
Rose Special	10-50-10	27.00	0.88	40.50	1.06	47.25	1.18	54.00	1.32	67.50	1.40
Hi-Calcium	15-0-15	18.00	0.91	27.00	1.19	31.50	1.34	36.00	1.46	45.00	1.51
Poinsettia (One Step)	15-6-9	18.00	0.93	27.00	1.37	31.50	1.52	36.00	1.73	45.00	2.19
Peat Lite Special	15-16-17	18.00	0.90	27.00	1.08	31.50	1.32	36.00	1.35	45.00	1.50
Hi-Phos Special	15-30-15	18.00	0.68	27.00	0.92	31.50	1.10	36.00	1.32	45.00	1.53
Forage Booster	24-6-17	17.00	0.89	25.50	1.28	29.50	1.12	34.00	1.77	42.20	2.02
Hydroponic Special	4-18-38	See Label									
Color Plus	18-9-18	15.00	0.79	22.50	0.93	26.25	1.22	30.00	1.38	37.50	1.63
High Nitrate+Ca	17-5-17	15.80	0.64	23.70	0.96	27.65	1.12	31.60	1.28	39.50	1.60
Soiless Special	20-10-20	13.50	0.50	20.25	0.70	23.60	0.80	27.00	0.91	33.75	1.05
General Purpose	20-20-20	13.50	0.46	20.25	0.72	23.60	0.75	27.00	0.98	33.75	1.24
General Purpose Plus	20-20-20	13.50	0.46	20.25	0.72	23.60	0.75	27.00	0.98	33.75	1.24
Tree & Woody Special	25-8-16	10.80	0.43	16.20	0.65	18.90	0.75	21.60	0.86	27.00	1.03
Tomato/Vegetable	14-28-14	19.00	0.66	28.60	0.95	33.40	1.15	38.00	1.26	47.60	1.58
Bent Grass Special	28-8-18	9.50		14.80		16.70		19.00		23.50	
High N Special	30-10-10	9.00	0.37	13.50	0.43	15.75	0.46	18.00	0.51	22.50	0.54


















































































Note: Subtract EC of your water from EC reading of fertilizer solution before comparing to EC values given above.

TO DETERMINE HOW MUCH FERTILIZER PER CONTAINER: (OZ. OF FERTILIZER x GALLON SIZE OF CONTAINER) / 16 = LBS. FERTILIZER PER CONTAINER



Formula Features

 *Indicates Enhanced Nutrient Levels*

NUTRIENT	9-58-8	18-6-6	10-50-10	15-0-15	15-16-17	15-30-15	24-6-20	4-18-38	18-9-18	17-5-17	20-10-20	20-20-20+	25-8-16	14-28-14	28-8-18
Nitrate Nitrogen Avoid heat burn to sensitive plants															
Phosphorus Promotes blooming and rooting															
Potash Promotes strength and durability															
Calcium (Ca) Promotes cell structure & controls disease															
Magnesium (Mg) Aids chlorophyll synthesis															
Sulfur (S) Overall plant development															
Boron (B) Promotes early root formation & growth															
Copper (Cu) Nitrogen utilization & respiration															
Iron (Fe) Aids chlorophyll synthesis															
Manganese (Mn) Aids chlorophyll synthesis															
Molybdenum (Mo) Regulates nitrogen utilization															
Zinc (Zn) Formation of growth-promoting compounds															



Suggested Concentrations by Crop Type

CROPTYPE	CONSTANT LIQUID FEED (PPM N)	PERIODIC FEEDING (PPM N)	PRODUCT
Bedding Plants	150-200	250-300	20-20-20/20-10-20/18-9-18/17-5-17
Cut Flowers	175-200	300-450	15-0-15/18-9-18
Potted Chrysanthemums	200-250	350-400	18-18-18-/18-9-18/20-10-20
Potted Easter Lillies	200-250	350-400	18-9-18/20-10-20
Potted Geraniums	200-250	350-400	18-18-18
Potted Poinsettia	200-250	375-400	15-6-9
Potted Tropical Foliage	150-200	250-300	30-10-10
Woody Ornamentals	75-100	300-350	25-8-16
Plugs (All Types)	75-125	175-225	9-58-8/10-50-10
Fruits	100-200	125-250	18-9-18/20-20-20/9-58-8
Vegetables	100-200	150-300	14-28-14/25-8-18/9-58-8
Landscape and Turf	15-20 OUNCES PER 1000 SQ. FT. EVERY 2-4 WEEKS		28-8-18/20-20-20