

FLORA SERIES

This three part series continues to be one of the best sellers in the hydroponic industry. The flexibility to custom blend the formulas is an attractive benefit to beginners and experts alike. Great for all types of media/growing environments including rock wool, grow rocks, coco, soil, aeroponics, etc.

Code#	Description	Size	Cs Qty	MSRP	FLORAMICRO® 5 - 0 - 1
718120	FloraMicro®	Quart	12	\$14.95/ea	
718125	FloraMicro®	Gallon	4	\$32.95/ea	
718130	FloraMicro®	2.5 Gallon	2	\$69.95/ea	
718135	FloraMicro®	6 Gallon	1	\$149.95/ea	

The foundation of the “building-block” system. Provides nitrogen, potassium, calcium and trace elements. Combine with FloraGro® and FloraBloom®.

Code#	Description	Size	Cs Qty	MSRP	HARDWATER FLORAMICRO® 5 - 0 - 1
718150	Hardwater FloraMicro®	Quart	12	\$14.95/ea	
718155	Hardwater FloraMicro®	Gallon	4	\$32.95/ea	
718160	Hardwater FloraMicro®	2.5 Gallon	2	\$69.95/ea	
718165	Hardwater FloraMicro®	6 Gallon	1	\$149.95/ea	

If your tap water is over 200 ppm (or contains Calcium above 70 ppm), use Flora Micro® Hardwater. If your water contains 30 to 50 ppm Calcium, you can mix our original Flora Micro® with Flora Micro® Hardwater to create a perfect Micro blend for your plants.

Code#	Description	Size	Cs Qty	MSRP	FLORAGRO® 2 - 1 - 6
718040	FloraGro®	Quart	12	\$9.95/ea	
718045	FloraGro®	Gallon	4	\$24.95/ea	
718050	FloraGro®	2.5 Gallon	2	\$54.95/ea	
718055	FloraGro®	6 Gallon	1	\$109.95/ea	

Stimulates structural and vegetative growth. Builds strong roots. Provides nitrogen, phosphorous, potassium and secondary minerals.

Code#	Description	Size	Cs Qty	MSRP	FLORABLOOM® 0 - 5 - 4
718010	FloraBloom®	Quart	12	\$9.95/ea	
718015	FloraBloom®	Gallon	4	\$24.95/ea	
718020	FloraBloom®	2.5 Gallon	2	\$54.95/ea	
718025	FloraBloom®	6 Gallon	1	\$109.95/ea	

Stimulates flower and fruit development. Enhances flavor, aroma and essential oils. Provides high phosphorous, potassium, magnesium and sulfur.

Code#	Description	Size	Cs Qty	MSRP	6 GALLON CONTAINER SPIGOT
718445	GH - Spigot for 6 Gallon container	For 6 Gallon	1	\$3.50/ea	

For use with all General Hydroponics™ 6 gallon containers.

NUTRIENTS & SUPPLEMENTS



FLORALICIOUS™ is a blend of bioactive microbial, plant, marine, and mineral extracts. It brings out your plants full genetic potential by augmenting metabolic activity in the root zone. Floralicious™ enhances polyamine synthesis and encourages the biosynthesis of complex secondary aromatic compounds. A perfect balance of vitamins, phytohormones, humic acids, polysaccharides, fructans and beta-glucans, L-amino acids and polyflavonoids.

FLORALICIOUS™ BLOOM 1 - 1 - 1



Code#	Description	Size	Cs Qty	MSRP
732185	Floralicious™ Bloom	Quart	12	\$25.95/ea
732190	Floralicious™ Bloom	Gallon	4	\$77.95/ea

Promotes maximum flower and fruit size. Floralicious™ Bloom not only enhances flavor and bouquet upon harvest, but also leads to stronger color and improved appearance.

FLORALICIOUS™ GROW 1 - 0.07 - 0.6



Code#	Description	Size	Cs Qty	MSRP
732200	Floralicious™ Grow	Quart	12	\$25.95/ea
732205	Floralicious™ Grow	Gallon	4	\$77.95/ea

Enhances nutrient assimilation for lusher, greener, more vigorous growth.

FLORALICIOUS™ PLUS 2.8 - 0.8 - 0.02



Code#	Description	Size	Cs Qty	MSRP
732208	Floralicious™ Plus	8 oz.	12	\$18.98/ea
732209	Floralicious™ Plus	16 oz.	12	\$29.98/ea
732206	Floralicious™ Plus	Quart	12	\$52.98/ea
732207	Floralicious™ Plus	Gallon	4	\$184.98/ea

Floralicious™ Plus has high concentrations of vitamins, complex sugars, amino acids, phytostimulants, polyflavonoids, and aromatic oils in an organic fulvic base.

Floralicious™ Plus also contains a liquid suspension of *Bacillus Subtilis*.

Floralicious™ Plus enhances mineral nutrient uptake and transport in your plants. Active carbon technology facilitates the conversion and biosynthesis of complex secondary aromatic compounds. Floralicious™ Plus enhances metabolic growth, promotes flower development, stimulates fruit swelling, and enhances essential oil production. Floralicious™ Plus also encourages beneficial microbial activity in the root zone.

Floralicious™ Plus is a one part organic nutrient additive to be used throughout your plants growing cycle. Floralicious™ Plus contains the organic building blocks of life and is used in addition to your regular fertilizer programs.

FLORAKLEEN™



Code#	Description	Size	Cs Qty	MSRP
732915	FloraKleen™	Quart	12	\$8.50/ea
732920	FloraKleen™	Gallon	4	\$19.95/ea
732925	FloraKleen™	2.5 Gallon	2	\$47.50/ea

FloraKleen™ removes fertilizer residues that can accumulate over time in hydroponic systems, growing media, and potting soils. Use FloraKleen™ monthly to purge your hydroponic system or potted plants of excess salts that can accumulate as a result of regular fertilizer application. FloraKleen™ is an excellent final flush, and can be used at any time to dissolve mineral and salt buildup. Its high concentration and low price make FloraKleen™ the economical choice for maintaining your plants in both hydroponic and soil-based environments.

MAXIGRO™ and MAXIBLOOM™ are extremely potent, stand alone, water soluble, dry concentrate nutrients. Complete in all primary, secondary and micro nutrients; MaxiGro™ and MaxiBloom™ are user friendly and will provide superior results over a broad spectrum of different crops, water-qualities and hydroponic or soil based methods.

MAXIGRO™ 10 - 5 - 14



Code#	Description	Size	Cs Qty	MSRP
718300	MaxiGro™	1.5 lb	12	\$12.95/ea
718305	MaxiGro™	4.0 lb	6	\$29.95/ea
718310	MaxiGro™	16.0 lb	1	\$96.95/ea

Use to encourage growth of seedlings and cuttings, and to stimulate rapid growth through the “vegetative” growth stage.

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
718280	MaxiBloom™	1.5 lb	12	\$12.95/ea
718285	MaxiBloom™	4.0 lb	6	\$29.95/ea
718290	MaxiBloom™	16.0 lb	1	\$96.95/ea

Use for the reproductive stage in fast growing annuals. MaxiBloom™ encourages prolific flowering and fruiting, and increases yields and crop quality.

MAXIBLOOM™ 5-15-14



Code#	Description	Size	Cs Qty	MSRP
718816	SubCulture™ – Microbial Root Inoculant	6 / 1 oz. Bags per container	24	\$64.99/ea

SubCulture™, from General Hydroponics, is a revolutionary fifty-two soil microorganism blend that will increase vitality and yield in all plants. The unique microbial blend of Bacillus, Streptomyces Actinomycetes, Psuedomonas and Trichoderma fungi colonize in the root zone, and media, to form a symbiotic relationship with the plant. These organisms secrete natural growth hormones and enhancers that are available to the plant through the root zone. SubCulture™ means robust healthy plants with strong, healthy root systems that are resistant to environmental stresses. One – 1 ounce pouch will treat up to 50 gallons. 1 each equals 1 tub containing 6 – 1 ounce bags.



SUBCULTURE™ 0.1 - 0.04 - 0.02

FLORANOVA™

FloraNova™ represents a breakthrough in fertilizer technology, as it gives users both the strength of a dry concentrate and the ease of a liquid. This unique formulation of highly purified minerals and natural additives combines the benefits of hydroponic as well as organic gardening methods. FloraNova™ works superbly in hydroponic environments, as well as with both soilless mixtures and soil grown plants.

- Extremely easy to use 1 part.
- Contains natural humic acids for better nutrient absorption.
- Super concentrated and pH stabilized.

Code#	Description	Size	Cs Qty	MSRP
718810	FloraNova Bloom®	Quart	12	\$21.95/ea
718815	FloraNova Bloom®	Gallon	4	\$69.95/ea
718808	FloraNova Bloom®	2.5 Gallon	2	\$149.99/ea

FloraNova Bloom® promotes explosive flowering and fruiting. FloraNova Bloom® induces phenomenal aroma, taste and colors while delivering extraordinary yields.

FLORANOVA BLOOM® 4-8-7



Code#	Description	Size	Cs Qty	MSRP
718800	FloraNova Grow®	Quart	12	\$21.95/ea
718805	FloraNova Grow®	Gallon	4	\$69.95/ea
718807	FloraNova Grow®	2.5 Gallon	2	\$149.99/ea

Works as a specialized nutrient for rapidly growing plants during the structural and foliar growth phase.

FLORANOVA GROW® 7-4-10



Code#	Description	MSRP
718798	Heavy Duty Nova Mixer	\$11.00/ea

Replacement mixer used to mix FloraNova™ 2.5 gallon containers.

HEAVY DUTY NOVA MIXER



Code#	Description	Size	Cs Qty	MSRP
732135	Chi™	Quart	12	\$24.98/ea
732140	Chi™	Gallon	4	\$69.98/ea

CHI™ improves crop yield, adds resistance to environmental stress, & increases plant vigor. CHI™ contains chitosan salts, a naturally occurring polymer found in the shells of crustaceans, insects, and many fungi. When plants are exposed to CHI™ they respond by thickening their cell walls. This increases the plant's resistance to environmental stress & disease. CHI™ also induces the activation of genes that stimulate protease inhibitors that help protect against insect attacks.

CHI™ LIQUID ORGANIC FOLIAR SPRAY 0.2 - 0.0 - 0.2



NUTRIENTS & SUPPLEMENTS



KOOLBLOOM™ 2 - 45 - 28



This is a highly concentrated nutrient additive that promotes abundant flowering and helps facilitate ripening in annual flowers and herbs. KoolBloom™ is designed to be used during the second half of reproductive growth. It enhances the production of essential oils & fragrance in flowers and herbs.

Code#	Description	Size	Cs Qty	MSRP
732525	KoolBloom™	1.5 lb	12	\$24.95/ea
732530	KoolBloom™	4.0 lb	6	\$49.95/ea

LIQUID KOOLBLOOM™ 0 - 10 - 10



Just like its dry counterpart, Liquid KoolBloom™ is a highly concentrated additive that promotes abundant flowering and helps facilitate ripening in annual and perennial flowers and herbs. Liquid KoolBloom™ is designed to be used during the reproductive cycle and will result in larger, heavier fruits and flowers. Liquid KoolBloom™ also enhances the production of essential oils and fragrances in flowers and culinary herbs.

Liquid KoolBloom™ is instantly soluble in your reservoir and immediately available for plant uptake. There is no more waiting for a powder to dissolve. Liquid KoolBloom™ is precisely formulated to enhance the performance of GH's Flora, Nova, and Maxi series nutrients.

Code#	Description	Size	Cs Qty	MSRP
732537	Liquid KoolBloom™	Quart	12	\$18.50/ea
732538	Liquid KoolBloom™	Gallon	4	\$53.99/ea

DIAMOND NECTAR™ 0 - 1 - 1



ORGANIC

Containing the highest quality, most effective fulvic acid available, Diamond Nectar™ can be used in hydroponic solutions or combined with soil or foliar applied fertilizers. It is rich in both organic and mineral substances. Natural buffering, chelating and extremely high ion-exchange properties convert many mineral elements into forms easier for plants to absorb, resulting in increased vitality, resistance to environmental stress and improved crop quality and yields.

Code#	Description	Size	Cs Qty	MSRP
732160	Diamond Nectar™	Quart	12	\$14.95/ea
732165	Diamond Nectar™	Gallon	4	\$39.95/ea
732170	Diamond Nectar™	2.5 Gallon	2	\$79.95/ea
732175	Diamond Nectar™	6 Gallon	1	\$159.95/ea

RARE EARTH™



ORGANIC

Contains Pyrophyllitic Silicate Clay naturally derived from ancient seabed deposits, biologically transformed organic matter combined with Humic Acids derived from Leonardite. It provides a naturally soluble form of silicates & humic acids and increases the uptake of micronutrients. Can be applied to all cultivated plants including fruits, flowers, vegetables, trees, vines and ornamentals.

Code#	Description	Size	Cs Qty	MSRP
732440	Rare Earth™	1.5 lb	12	\$6.95/ea
732445	Rare Earth™	4.0 lb	6	\$14.95/ea

Meets guidelines for organic crop production

DIAMOND BLACK™



ORGANIC

Diamond Black™ is an organic form of leonardite containing an exceptionally high percentage of beneficial, plant-active humic acids. Diamond Black™ is rich in substances that afford growers the advantages of natural, organic matter in a highly available and easy to use form. It increases the uptake of micronutrients. Can be applied to all cultivated plants including fruits, flowers, vegetables, trees, vines and ornamentals. Use in soil, potting mixes or soilless rooting media.

Code#	Description	Size	Cs Qty	MSRP
732150	Diamond Black™	3 lb	6	\$14.95/ea

Meets guidelines for organic crop production

GENERAL HYDROPONICS® Keep It Simple Solution

Keep It Simple Solution is an easy method to supply the complex nutrition your plants need.

Whether Recirculating or Drain To Waste, start by choosing either the most widely recognized, reliable nutrient in the industry, **Flora Series®** or step into the technological breakthrough of **FloraNova®** for the accelerated performance of mineral nutrients enriched with the healthy, flavorful characteristics of organics. Supplement with two of our trusted and economical formulas; **Floralicious® Plus** and **Liquid KoolBloom®**. Floralicious Plus is a vegan bio stimulator that combines several products in one concentrate, maximizing your resources. Floralicious Plus activates many plant functions to produce healthier and faster growing plants rich in organic flavor with vivid colors, pungent fragrances, and increased yields. In blooming, **Liquid KoolBloom®** provides the additional PK your flowers need. Enriched with stress reducing vitamins and nutrient transporting acids, Liquid KoolBloom promotes production of essential oils, enhances taste, and increases fruiting and flower development.

Keep it simple and enjoy your thriving garden.



robust luscious thriving vigor flourish zest explosive

Nutrient Solution Tips

- Keep nutrient solution temperature below 75° F (24° C).
- For Recirculating, Change nutrient solution every 7-10 days & top off with fresh water between nutrient changes.
- For Drain To Waste, Allow 25% run off during each irrigation.
- If your water is above 200ppm total or 70ppm calcium, use Flora Hardwater Micro instead of FloraMicro.
- Apply Freshwater irrigation after three nutrient applications to flush excess mineral accumulation.
- Keep nutrient solution aerated for best results.



The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use GH pH adjusters to maintain nutrient pH between 5.5 - 6.5.

Useful Conversions

1 TSP =	5 ml
1 TBSP =	15 ml
1 oz =	30 ml
1 Qt =	0.946 L
1 Gal =	3.785 L
1 Gal =	128 oz

These programs are starting points for developing your own program. Results will vary based on environmental factors. Using a conductivity or PPM meter will allow you to make accurate measurements and more informed decisions about your nutrient strength. Monitoring and adjusting the pH of your nutrient will help assure nutrient availability.

GH Keep It Simple Recirculating Program (Amounts per US Gallon)

Flora Series	FloraGro®	FloraMicro®	FloraBloom®	Floralicious® Plus	Liquid KoolBloom®
Seedling	2.5 ml	2.5 ml	2.5 ml	0	0
Mild Growth	5 ml	5 ml	5 ml	0.5 ml	0
Growth	12.5 ml	7.5 ml	2.5 ml	1 ml	0
Aggressive Growth	15 ml	10 ml	5 ml	1 ml	0
Transition	10 ml	10 ml	10 ml	1 ml	2.5 ml
Bloom	5 ml	10 ml	15 ml	1 ml	5 ml
Aggressive Bloom	0	10 ml	20 ml	1 ml	5 - 10 ml
Ripen	0	2.5 ml	7.5 ml	1 ml	5 - 10 ml

CAUTION: Do not premix nutrients, add to water only.

Roots

SubCulture creates healthy roots by increasing microbiological activity in the root zone. These microbes enhance nutrient uptake and also attack disease-causing bacteria maximizing your plant's potential.



Use SubCulture in your nutrient solution at transplant and during the growth phase. Add one pouch of SubCulture per 50 gallons. For smaller reservoirs, add one teaspoon per 10 gallons.

Foliar

A foliar spray of CHI and Diamond Nectar strengthens the cell walls in plants which increases resistance to stress and disease.



210 ml CHI + 190 ml Diamond Nectar. Spray leaves every other week until one week into bloom.

Flush

To ensure optimum flavor, crops should be flushed with Flora Kleen prior to harvest. Flora Kleen can also be used to minimize the effects of overfertilization. Flora Kleen works by breaking the bond that attaches fertilizer salts to growing media.



Add 5-10 ml Flora Kleen per gallon of fresh water. Irrigate thoroughly for 2-4 days before harvest.

Defend

Prevent and solve root rot problems with the amazing ability of Flora Shield. Flora Shield can be used in your reservoir and as a foliar spray.



Use 37ml/gallon in your reservoir. If using SubCulture, re-inoculate after using Flora Shield. Do not use SubCulture with Flora Shield.

GH Keep It Simple Drain To Waste Program (Amounts per US Gallon)

Flora Series	FloraGro®	FloraMicro®	FloraBloom®	Floralicious® Plus	Liquid KoolBloom®
Seedling	1.5 ml	1.5 ml	1.5 ml	0	0
Mild Growth	5 ml	2.5 ml	2.5 ml	1 ml	0
Growth	7.5 ml	5 ml	2.5 ml	1 ml	0
Aggressive Growth	10 ml	5 ml	2.5 ml	1 ml	0
Transition	5 ml	5 ml	5 ml	1 ml	1.5 ml
Bloom	2.5 ml	5 ml	7.5 ml	1 ml	2.5 ml
Aggressive Bloom	0	5 ml	10 ml	1 ml	2.5 - 5 ml
Ripen	0	2.5 ml	7.5 ml	1 ml	2.5 - 5 ml

CAUTION: Do not premix nutrients, add to water only.

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GENERAL HYDROPONICS® Expert Feed Program

Go ahead and take it to the next level with the Expert Feed Program.

Start with the **Flora Series®**, the most reliable, widely recognized nutrient in the industry and combine with more supplements for faster, more vigorous growth.

The super vegan formula of **Floralicious® Grow** will enhance your plant's ability to increase metabolic activity and nutrient assimilation, building superior root and leaf mass. For phenomenal flavor, fruit swelling and enhanced oil production switch to **Floralicious® Bloom** and your plants will be stoked by this vegan formulation.

By accelerating nutrient absorption in the root zone, **Diamond Nectar®** optimizes nutrient uptake, supercharging your fast growing garden. Diamond Nectar stimulates plant growth by increasing cell division and the rate of development in root systems for bigger, more robust yields. Use Diamond Nectar for both foliar applications and in your reservoir.

Liquid KoolBloom® goes way beyond your typical bloom booster. Enriched with stress reducing vitamins and nutrient transporting acids, Liquid Kool Bloom promotes production of essential oils, enhances flavor, and increases fruiting and flower development.

Finally, add **Dry KoolBloom®** in the last two weeks for optimal weight gain and ripening to perfection.



robust luscious thriving accelerate defense gusto zeal explosive ripen cleansing preventive health

GH Expert Recirculating Program (Amounts per US Gallon)

Flora Series	FloraGro®	FloraMicro®	FloraBloom®	Diamond Nectar®	Floralicious® Grow	Floralicious® Bloom	Liquid KoolBloom®	Dry KoolBloom®
Seedling	2.5 ml	2.5 ml	2.5 ml	5 ml	5 ml	0	0	0
Mild Growth	5 ml	5 ml	5 ml	10 ml	5 ml	0	0	0
Growth	12.5 ml	7.5 ml	2.5 ml	10 ml	2.5 ml	0	0	0
Aggressive Growth	15 ml	10 ml	5 ml	10 ml	5 ml	0	0	0
Transition	10 ml	10 ml	10 ml	5 ml	0	5 ml	2.5 ml	0
Bloom	5 ml	10 ml	15 ml	0	0	5 ml	5 ml	0
Aggressive Bloom	0	7.5 ml	15 ml	0	0	5 ml	5 ml	0.25 g
Ripen	0	5 ml	20 ml	0	0	5 ml	0	0.5 g

CAUTION: Do not premix nutrients, add to water only. - When using Dry KoolBloom, be careful using an aggressive strength blooming formula.

Useful Conversions

1 TSP	=	5 ml
1 TBSP	=	15 ml
1 oz	=	30 ml
1 Qt	=	0.946 l
1 Gal	=	3.785 L
1 Gal	=	128 oz

These programs are starting points for developing your own program. Results will vary based on environmental factors. Using a conductivity or PPM meter will allow you to make accurate measurements and more informed decisions about your nutrient strength. Monitoring and adjusting the pH of your nutrient will help assure nutrient availability.

Recirculating Nutrient Solution Tips

- Keep nutrient solution temperature below 75° F (24° C).
- Change nutrient solution every 7-10 days.
- If your water is above 200ppm total or 70ppm calcium, use Flora Hardwater Micro instead of FloraMicro.
- Top off with fresh water between nutrient changes.
- Keep nutrient solution aerated for best results.



The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use GH pH adjusters to maintain nutrient pH between 5.5 - 6.5.

Roots

SubCulture creates healthy roots by increasing microbiological activity in the root zone. These microbes enhance nutrient uptake and also attack disease-causing bacteria maximizing your plant's potential.

Use SubCulture in your nutrient solution at transplant and during the growth phase. Add one pouch of SubCulture per 50 gallons. For smaller reservoirs, add one teaspoon per 10 gallons.



Foliar

A foliar spray of CHI and Diamond Nectar strengthens the cell walls in plants which increases resistance to stress and disease.

210 ml CHI + 190 ml Diamond Nectar. Spray leaves every other week until one week into bloom.



Flush

To ensure optimum flavor, crops should be flushed with Flora Klean prior to harvest. Flora Klean can also be used to minimize the effects of overfertilization. Flora Klean works by breaking the bond that attaches fertilizer salts to growing media.

Add 5-10 ml Flora Klean per gallon of fresh water. Irrigate thoroughly for 2-4 days before harvest.



Defend

Prevent and solve root rot problems with the amazing ability of Flora Shield. Flora Shield can be used in your reservoir and as a foliar spray.

Use 37ml/gallon in your reservoir. If using SubCulture, re-inoculate after using Flora Shield. Do not use SubCulture with Flora Shield.



GH Expert Drain To Waste Program (Amounts per US Gallon)

Flora Series	FloraGro®	FloraMicro®	FloraBloom®	Diamond Nectar®	Floralicious® Grow	Floralicious® Bloom	Liquid KoolBloom®	Dry KoolBloom®
Seedling	1.5 ml	1.5 ml	1.5 ml	5 ml	5 ml	0	0	0
Mild Growth	5 ml	2.5 ml	2.5 ml	10 ml	5 ml	0	0	0
Growth	7.5 ml	5 ml	2.5 ml	10 ml	5 ml	0	0	0
Aggressive Growth	10 ml	5 ml	2.5 ml	10 ml	5 ml	0	0	0
Transition	5 ml	5 ml	5 ml	5 ml	0	5 ml	2 ml	0
Bloom	2 ml	3 ml	5 ml	0	0	5 ml	2.5 - 5 ml	0
Aggressive Bloom	0	3 ml	6 ml	0	0	5 ml	2.5 - 5 ml	0.25 g
Ripen	0	2 ml	5 ml	0	0	5 ml	0	0.5 g

CAUTION: Do not premix nutrients, add to water only. - When using Dry KoolBloom, be careful using an aggressive strength blooming formula.

Useful Conversions

1 TSP	=	5 ml
1 TBSP	=	15 ml
1 oz	=	30 ml
1 Qt	=	0.946 l
1 Gal	=	3.785 L
1 Gal	=	128 oz

These programs are starting points for developing your own program. Results will vary based on environmental factors. Using a conductivity or PPM meter will allow you to make accurate measurements and more informed decisions about your nutrient strength. Monitoring and adjusting the pH of your nutrient will help assure nutrient availability.

Drain To Waste Nutrient Solution Tips

- Keep nutrient solution temperature below 75° F (24° C).
- Allow 25% runoff during each irrigation.
- If your water is above 200ppm total or 70ppm calcium, use Flora Hardwater Micro instead of FloraMicro.
- Apply freshwater irrigation after 3 nutrient applications to flush excess mineral accumulation.
- Keep nutrient solution aerated for best results.



The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use GH pH adjusters to maintain nutrient pH between 5.5 - 6.5.

Roots

SubCulture creates healthy roots by increasing microbiological activity in the root zone. These microbes enhance nutrient uptake and also attack disease-causing bacteria maximizing your plant's potential.

Use SubCulture in your nutrient solution at transplant and during the growth phase. Add one pouch of SubCulture per 50 gallons. For smaller reservoirs, add one teaspoon per 10 gallons.



Foliar

A foliar spray of CHI and Diamond Nectar strengthens the cell walls in plants which increases resistance to stress and disease.

210 ml CHI + 190 ml Diamond Nectar. Spray leaves every other week until one week into bloom.



Flush

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Add 5-10 ml Flora Klean per gallon of fresh water. Irrigate thoroughly for 2-4 days before harvest.



Defend

Prevent and solve root rot problems with the amazing ability of Flora Shield. Flora Shield can be used in your reservoir and as a foliar spray.

Use 37ml/gallon in your reservoir. If using SubCulture, re-inoculate after using Flora Shield. Do not use SubCulture with Flora Shield.




NUTRIENTS & SUPPLEMENTS

PURE BLEND™ PRO is a hydro-organic vegetative and fruit and flower formula which is a specialty custom blend of organic and natural sources of the essential major, secondary, and trace minerals in 100% soluble form from the land and sea. PURE BLEND™ Pro produces vigorous lush green vegetation and superior fruits, flowers, and vegetables. PURE BLEND™ Pro will provide increased nutritional values and is a healthy, environmentally friendly alternative.



- Essential elements are not derived from harmful chemicals such as a urea and high concentrates of ammonia nitrate.
- Eliminates the danger of exposing plants (and ultimately the consumer) to toxic heavy metals such as arsenic, mercury, selenium, etc. which often occur as contaminants in conventional chemical fertilizers.
- The organic components of PURE BLEND™ Pro enhance uptake and utilization of plant nutrients.
- Plants acquire increased pathogen resistance and hardness.
- Metabolic rate and capacity is greatly amplified enabling the grower to produce fruits and vegetables that contain greater amounts of minerals and vitamins that are crucial for human nutrition.
- The budding, flowering, fruiting capacity of plants is greatly increased.

Code#	Description	Size	Cs Qty	MSRP	PURE BLEND PRO™ GROW FORMULA 3 - 1.5 - 4	
718475	Pure Blend™ Pro Grow	Quart	12	\$17.95/ea		
718480	Pure Blend™ Pro Grow	Gallon	4	\$44.95/ea		
718485	Pure Blend™ Pro Grow	2.5 Gallon	2	\$99.95/ea		
718490	Pure Blend™ Pro Grow	5 Gallon	1	\$179.95/ea		

Code#	Description	Size	Cs Qty	MSRP	PURE BLEND PRO™ BLOOM FORMULA 2.5 - 2 - 5	
718450	Pure Blend™ Pro Bloom	Quart	12	\$17.95/ea		
718455	Pure Blend™ Pro Bloom	Gallon	4	\$44.95/ea		
718460	Pure Blend™ Pro Bloom	2.5 Gallon	2	\$99.95/ea		
718465	Pure Blend™ Pro Bloom	5 Gallon	1	\$179.95/ea		

Code#	Description	Size	Cs Qty	MSRP	PURE BLEND PRO™ SOIL FORMULA 1.5 - 4 - 5	
718375	Pure Blend™ Pro Soil	Quart	12	\$17.95/ea		
718380	Pure Blend™ Pro Soil	Gallon	4	\$44.95/ea		
718385	Pure Blend™ Pro Soil	2.5 Gallon	2	\$99.95/ea		
718390	Pure Blend™ Pro Soil	5 Gallon	1	\$179.95/ea		

Designed specifically to be used in soil container gardens. Plants grown in soil need higher phosphorous levels due to clay colloidal particles that bind up phosphorous. Microbes in the soil also compete for the phosphorous. When cultivating fruiting and flowering plants in soil, growers usually need to double or triple phosphorous levels, unlike hydroponics, thus making the 1.5-4-5 formula ideal for soil applications.

Code#	Description	Size	Cs Qty	MSRP	SWEET™- ORIGINAL BERRY	
732291	Sweet™ - Berry	Quart	12	\$19.95/ea		
732292	Sweet™ - Berry	Gallon	4	\$59.95/ea		
732293	Sweet™ - Berry	2.5 Gallon	2	\$134.95/ea		
732294	Sweet™ - Berry	5 Gallon	1	\$249.95/ea		

Sweet™ carbohydrate synthesizer contains organic acids, vitamins, amino acids, esters, essential secondary and trace elements which are utilized for the bio-synthesis of crucial compounds to maintain optimal metabolism.

Code#	Description	Size	Cs Qty	MSRP	<div>NEW!</div> SWEET™- CITRUS	
732266	Sweet™ - Citrus	Quart	12	\$19.95/ea		
732267	Sweet™ - Citrus	Gallon	4	\$59.95/ea		
732268	Sweet™ - Citrus	2.5 Gallon	2	\$134.95/ea		
732269	Sweet™ - Citrus	5 Gallon	1	\$249.95/ea		

Sweet™ Citrus is scientifically formulated for the bio-synthesis of crucial compounds to maintain optimal metabolism and contains: Select carbohydrates for amplified energy, increased sugar/brix content and plant bio-mass. Esters and bio-polyphenolic compounds for increased flavors, aromas, and fatty oil synthesis. Crucial secondary trace elements for enhancing photosynthesis and respiration.

NUTRIENTS & SUPPLEMENTS



POWER PLANT™ 3 - 1 - 4 — One Part Grow Formula with Silicate



Power Plant™ contains all 16 elements known to be essential for plants, not just nitrogen, phosphorous, and potassium found in most other liquid plant foods. The elements are carefully combined in delicately balanced proportions to produce optimal plant growth.

Code#	Description	Size	Cs Qty	MSRP
718350	Power Plant™	Quart	12	\$14.95/ea
718355	Power Plant™	Gallon	4	\$35.95/ea

POWER FLOWER™ 2 - 2 - 5 — One Part Flower Formula with Silicate



Power Flower™ is specially formulated to maximize floral induction and development in flowering plants. Like Power Plant™, Power Flower™ contains a full complement of essential elements. However, it is fortified with extra phosphate, potassium, sulfur, selected trace elements, and plant vitamins to unleash the total flowering potential of flower-bearing plants.

Code#	Description	Size	Cs Qty	MSRP
718325	Power Flower™	Quart	12	\$14.95/ea
718330	Power Flower™	Gallon	4	\$37.95/ea
718335	Power Flower™	2.5 Gallon	2	\$89.95/ea

HYDROPLEX™ SOIL 0 - 12 - 8



Due to such strong demand, American Agritech has added Hydroplex™ Soil Formula to the Botanicare® line. Since clay colloidal particles bind up phosphorus in soil gardening, it is necessary to double or even triple phosphorus levels. In addition, soil microbes often compete for phosphorus which makes it even more imperative to increase phosphorus levels when growing in soil.

Many Botanicare® soil growers will love the high level of phosphorous the 0 - 12 - 8 formula provides.

SOIL

Code#	Description	Size	Cs Qty	MSRP
732237	Hydroplex™ Soil	Quart	12	\$24.95/ea
732238	Hydroplex™ Soil	Gallon	4	\$69.95/ea

HYDROPLEX™ 0.5 - 4 - 10



A premium plant supplement for the reproductive fruiting and flowering phase in a plant's life cycle. It contains ample phosphorous, potassium, and sulfur to enhance yields and fruit flower development. Also fortified with seaweed, humic acid, fulvic acid, vitamins and amino acids. For use in container gardens as well as soilless hydrogardening applications.

Code#	Description	Size	Cs Qty	MSRP
732245	Hydroplex™	Quart	12	\$20.00/ea

BLAST OFF™ PLANT GROWTH STIMULANT 0 - 0.1 - 0.1



Blast Off™ contains high potency natural vitamins and hormones that act as cofactors or substrates for specific plant enzymes. In the presence of these vitamins and hormones the enzymes are activated to carry out crucial biochemical reactions which result in accelerated plant growth. Thus, addition of Blast Off™, with your favorite nutrient, will dramatically improve plant growth. And, if you are growing flowers, fruits, or vegetables, you will be thrilled at the harvest time as your plants reward you with fabulous yields.

Code#	Description	Size	Cs Qty	MSRP
732085	Blast Off™	Quart	12	\$17.95/ea
732090	Blast Off™	Gallon	4	\$44.95/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
732275	Liquid Karma™	Quart	12	\$19.95/ea
732280	Liquid Karma™	Gallon	4	\$64.95/ea
732285	Liquid Karma™	2.5 Gallon	2	\$149.95/ea
732290	Liquid Karma™	5 Gallon	1	\$279.95/ea

LIQUID KARMA™ 0.1 - 0.1 - 0.5



Liquid Karma™ represents a significant breakthrough in plant nutrition. This is because it contains a full complement of metabolically active organic compounds not found in regular plant foods or supplements. These unique compounds are absorbed immediately and act as regulatory signals, activators or catalysts to produce synchronized and accelerated growth under all conditions. Liquid Karma™ functions as a growth engine because its high metabolic activity produces a large amount of energy, which is immediately transformed to growth. It contains fermented compost, amino acids, vitamins, plant extracts, humic acid, seaweed extract and carbohydrates.

Code#	Description	Size	Cs Qty	MSRP
732605	Clearex™	Quart	12	\$11.95/ea
732610	Clearex™	Gallon	4	\$29.95/ea
732615	Clearex™	2.5 Gallon	2	\$71.25/ea

CLEAREX™ SALT LEACHING SOLUTION



Clearex™ is an isotonic drenching solution that unlocks the ionic bond between the nutrient and the soil or soilless grow substrate, correcting the problem of nutrient salt toxicity and lockout, allowing plants to thrive again.

Code#	Description	Size	Cs Qty	MSRP
732110	Cal-Mag Plus™	Quart	12	\$17.95/ea
732115	Cal-Mag Plus™	Gallon	4	\$44.95/ea
732120	Cal-Mag Plus™	2.5 Gallon	2	\$99.95/ea

CAL-MAG PLUS™ 2 - 0 - 0



Cal-Mag Plus™ is a bio-catalyst for plants. It is a highly beneficial plant nutrient supplement to correct the inherent problem of calcium, magnesium and iron mineral deficiencies found in most soil fertilizers and some hydroponic nutrient liquid concentrated formulas.

PUREBLEND™ ORIGINAL ORGANIC FORMULA

PURE BLEND™ is a hydro-organic compost solution blended with select organic ingredients from the land and sea. PURE BLEND™ contains all major and secondary elements, as well as an abundance of trace minerals, growth hormones, cytokinins and auxins. PURE BLEND™ also contains a vast array of vitamins, enzymes, amino acids, natural humates, carbohydrates and organic plant acids. A few of the benefits of using PURE BLEND™ include:

- Lush green, healthy vegetation.
- Larger fruits, vegetables and flowers with higher yields.
- More compact plants with shorter internodes.

- Increased growth and crop maturity rates.
- High mineral, vitamin, sugar and oil contents in produce.

PURE BLEND™ reduces plant stress caused by severe environmental conditions, such as heat, frost and drought and rebuilds overworked "dead" soil and brings it "alive" again. Allows beneficial microbes to live and thrive within the growing substrate or soil, converting organic elements into usable plant energy and thus producing increased plant bio-mass.

PURE BLEND™ is best used as a supplement to standard fertilizer or hydroponic nutrient formulations.

Code#	Description	Size	Cs Qty	MSRP
732335	Pure Blend™ Original Bloom	Quart	12	\$11.95/ea
732340	Pure Blend™ Original Bloom	Gallon	4	\$29.95/ea
732345	Pure Blend™ Original Bloom	2.5 Gallon	2	\$69.95/ea

PURE BLEND™ ORIGINAL BLOOM 0.5 - 0.5 - 1



Code#	Description	Size	Cs Qty	MSRP
732355	Pure Blend™ Original Grow	Quart	12	\$11.95/ea
732360	Pure Blend™ Original Grow	Gallon	4	\$29.95/ea
732365	Pure Blend™ Original Grow	2.5 Gallon	2	\$69.95/ea

PURE BLEND™ ORIGINAL GROW 1 - 0.5 - 1



NUTRIENTS & SUPPLEMENTS

SILICA BLAST™



Silicate is a beneficial nutrient supplement to be used in conjunction with a standard nutrient program. Silicate helps strengthen plant tissue helping plants flourish in adverse environmental conditions such as heat, drought, and frost. For use in container gardens or soilless hydrogardening applications.

Code#	Description	Size	Cs Qty	MSRP
732485	Silica Blast™	Quart	12	\$11.95/ea
732490	Silica Blast™	Gallon	4	\$29.95/ea

HYDROGUARD™



HYDROGUARD™ is a bio-fungicide water treatment that helps suppress and resist damping off diseases. HYDROGUARD™ is an all-natural biological stimulant that assists in the management of disease cycles. Unlike the use of fungicides alone, the use of HYDROGUARD™ breaks the chronic disease cycle while leaving no toxic residues. HYDROGUARD™ is also useful throughout a plants life in hydrogardens such as NFT or Aeroponics. HYDROGUARD™ is a phenomenal product which will strengthen your clones' roots and offer your new plants the best chance of survival when transplanted.

Code#	Description	Size	Cs Qty	MSRP
704075	HydroGuard™	Quart	12	\$13.95/ea
704080	HydroGuard™	Gallon	4	\$34.95/ea
704082	HydroGuard™	2.5 Gallon	2	\$78.95/ea

8 OZ. TRIAL SIZE GROPAKS™

American Agritech is offering new trial size GroPaks™ in three new combinations. Each GrowPak contains three 8 oz. trial size Botanicare® products specifically designed to help your plants reach their full potential. The trial size GroPacks™ are the perfect way to experience the benefits of Botanicare's premium fertilizers and plant supplements.

PURE BLEND™ 8 OZ. HYDRO KIT



Code#	Description	Size	Cs Qty	MSRP
720700	Pure Blend™ Hydro Kit	8 oz.	12	\$14.95/ea

Kit includes one 8 oz. bottle of:

- Pure Blend™ Pro Grow
- Liquid Karma™
- Pure Blend™ Pro Bloom

HYDRO

PURE BLEND™ 8 OZ. SOIL KIT



Code#	Description	Size	Cs Qty	MSRP
720705	Pure Blend™ Soil Kit	8 oz.	12	\$14.95/ea

Kit includes one 8 oz. bottle of:

- Pure Blend™ Pro Grow
- Liquid Karma™
- Pure Blend™ Pro Soil

SOIL

BOTANICARE® SUPPLEMENT 8 OZ. KIT



Code#	Description	Size	Cs Qty	MSRP
720710	Supplement Kit	8 oz.	12	\$14.95/ea

Kit includes one 8 oz. bottle of:


- Cal-Mag Plus™
- Hydroguard™
- Clearex™

SUPPLEMENT

NUTRIENTS & SUPPLEMENTS


TRIFLEX™, a scientifically formulated three-part bio-organic nutrient system for plants, is based on the time-tested formulas developed for plant tissue culture and hydroponic.

Triflex™ is unique because it incorporates the best features of the above formulas to yield a three-part nutrient of inorganic salts and enhanced with organic based ingredients which produce incomparable plant growth and development.

Code#	Description	Size	Cs Qty	MSRP	TRIFLEX™ BLOOM FORMULA 1 - 4 - 2
718410	Triflex™ Bloom	Quart	12	\$13.95/ea	
718415	Triflex™ Bloom	Gallon	4	\$34.95/ea	

This component of TRIFLEX™ contains 1% Nitrogen, 4% Phosphorous, and 2% Potash (1 - 4 - 2). The formula also contains 1.5% Magnesium and 1% Sulfur. The above elements are derived from Phosphoric acid, Potassium phosphate, Magnesium sulfate, Potassium sulfate, Potassium silicate, Sodium silicate. Fortified with selected vitamins, botanical tissue culture ingredients, essential amino acids, seaweed, humic acid, fulvic acid, and carbohydrates.



Code#	Description	Size	Cs Qty	MSRP	TRIFLEX™ GROW FORMULA 2 - 1 - 4
718425	Triflex™ Grow	Quart	12	\$13.95/ea	
718430	Triflex™ Grow	Gallon	4	\$34.95/ea	

Grow Formula contains 2% Nitrogen, 1% Phosphorous expressed as P2O5, and 4% soluble Potash expressed as K2O (2 - 1 - 4). The formula also contains 1% elemental Magnesium. The above elements are derived from Potassium nitrate, Magnesium nitrate, Ammonium nitrate, Potassium phosphate, Potassium sulfate, Magnesium sulfate, Potassium silicate, Sodium silicate. Fortified with selected vitamins, botanical tissue culture ingredients, essential amino acids, seaweed, humic acid, fulvic acid, and carbohydrates.



Code#	Description	Size	Cs Qty	MSRP	TRIFLEX™ BASE FORMULA 2 - 0 - 3
718395	Triflex™ Base	Quart	12	\$15.95/ea	
718400	Triflex™ Base	Gallon	4	\$39.95/ea	

In addition to containing 2% Nitrogen and 0% Phosphorous, 3% Potash, (2 - 0 - 3), the Base Formula also contains 4.5% Calcium as well as the essential trace elements including: Boron, Iron, Manganese, Cobalt, Zinc, Iodine, Copper, and Molybdenum. The elements present in Base Formula are derived from Calcium nitrate, Potassium nitrate, Ammonium molybdate, Potassium iodide, Cobalt iodide, Cobalt nitrate, Cobalt sulfate, Copper nitrate, Manganese sulfate, Chelated Iron, and Chelated Manganese. In order to make Base Formula more effective, it is fortified with selected vitamins, botanical tissue culture ingredients, essential amino acids, seaweed, humic acid, fulvic acid, and carbohydrates.



CNS17™

CNS17™ is an element rich plant food which is ideal for producing consumable goods. CNS17™ is ideally suited to a wide range of vegetable, flower, and fruiting crops grown in hydroponics or soil. CNS17™ combines high levels of calcium with sulfates and phosphates producing a mixture that provides a guaranteed complete spectrum of plant nutrients. Additionally due to the molecular composition of CNS17™ in dilution with water, the organic structures hydrolyze to provide an energy source for beneficial microbes in solution. CNS17™ contains chelates which protect ions such as iron, manganese, and zinc which can improve plant availability under a range of conditions.

Code#	Description	Size	Cs Qty	MSRP	CNS17™ GROW FORMULA 3 - 2 - 4
733030	CNS17™ Grow	Gallon	4	\$25.00/ea	
733035	CNS17™ Grow	2.5 Gallon	2	\$60.00/ea	
733040	CNS17™ Grow	5 Gallon	1	\$109.95/ea	



Code#	Description	Size	Cs Qty	MSRP	CNS17™ BLOOM FORMULA 2 - 2 - 5
733045	CNS17™ Bloom	Gallon	4	\$25.00/ea	
733050	CNS17™ Bloom	2.5 Gallon	2	\$60.00/ea	
733055	CNS17™ Bloom	5 Gallon	1	\$109.95/ea	



NUTRIENTS & SUPPLEMENTS



BOTANICARE
PLANT ENERGY PRODUCTS

ADVANCED NUTRIENT FEED PROGRAM

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5325 S. Kyrene Road
Tempe, AZ 85383

POWER SERIES Power Plant * Power Flower

For use in hydrogardens, soilless mix, aeroponics, N.F.T., rockwool and soil container gardens
amounts in ml/gallon (4l) | 1 teaspoon=5 ml | 1 tablespoon=15 ml | 1 ounce=30 ml

Light (in hours)	18	18	18	12	12	12	12	12	12	12	12	12	12
Plant Phase	Clones/ Seedlings	Vegetative	Vegetative	Transition	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Pre-Harvest 2-3 days
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
Power Plant	7	15	20-30	15	0	0	0	0	0	0	0	0	0
Power Flower	0	0	0	15	20-30	20-30	30	30	20-30	20-30	7.5	0	
Optional Botanicare Supplements													
Blast Off	5	10	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	5	0	
Pure Blend Original	5	10	10-15	15	15	15	15	15	15	15	5	0	
Cal-Mag Plus*	0	5-7	5-7	5-7	5-7	5-7	5	5	5	5	0	0	
Sweet	0	0	0	10	10	10	10-15	10-15	10-15	10-15	10	0	
Hydroguard	5	10	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	0	
Silica Blast	0	2-5	5	5	5	5	5	5	5	0	2	0	
Hydroplex	0	0	0	0	0	5	5	5	5-7	0	2.5	0	
Clearse- every reservoir change or every 2 weeks	0	0	0	0	0	0	0	0	0	15-30	0	15-30	

*when growing plants in coco media, use a minimum of 5 ml of Cal-Mag Plus during the first 2 weeks
For best results, foliar feed plants weekly with 7 ml/gallon of Power Plant or Power Flower or with Blast Off at 15 ml/gallon

GENERAL HYDROPONICS With Botanicare Supplements

General Hydroponics with Botanicare™ Supplements
amounts in ml/gallon (4l) | 1 teaspoon=5 ml | 1 tablespoon=15 ml | 1 ounce=30 ml

Light (in hours)	18	18	18	12	12	12	12	12	12	12	12	12	12
Plant Phase	Clones/ Seedlings	Vegetative	Vegetative	Transition	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Fructing & Flowering	Pre-Harvest 2-3 days
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
GH Micro	2.5	5	8	8	8	8	8	8	8	8	3	0	
GH Grow	2.5	10	15	8	5	5	5	5	5	5	2	0	
GH Bloom	2.5	3	5	8	10	15	15	15	15	15	5		
Optional Botanicare Supplements													
Cal-Mag Plus*	0	5	5-7	5-7	5-7	5-7	5	5	5	5	0	0	
Pure Blend Original	3	10	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	5	0	
Liquid Karma	5	10	10	10	10	10	10	10	10	5	3	0	
Sweet	0	0	0	10	10	10	10-15	10-15	10-15	10-15	10	0	
Silica Blast	0	3	5	5	5	5	5	5	5	2	0		
Hydroguard	5	10	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	10	0	
Hydroplex	0	0	0	0	0	5	5	5	5	5	2.5	0	
Clearse- every reservoir change or every 2 weeks	0	0	0	0	0	0	0	0	0	0	0	15-30	

*when growing plants with reverse osmosis water or in coco media use a minimum of 5 ml of Cal-Mag Plus during the first 2 weeks
For best results, foliar feed plants weekly with Liquid Karma at 10-15 ml/gallon

PURE BLEND PRO Hydrogarden Formula



For use in hydrogardens, aeroponics, N.F.T., and rockwool amounts in ml/gallon (4l) 1 teaspoon=5 ml 1 tablespoon=15 ml 1 ounce=30 ml

Light (in hours)	18	18	18	12	12	12	12	12	12	12	12	12
Plant Phase	Clones/Seedlings	Vegetative	Vegetative	Transition	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Pre-Harvest 2-3 days
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Pure Blend Pro Grow 3-1.5-4	7.5	15	25-30	15	0	0	0	0	0	0	0	0
Pure Blend Pro Bloom 2.5-2-5	0	0	0	15	25-30	25-30	25-30	0	0	0	0	0
Pure Blend Pro Soil 1.5-4-5	0	0	0	0	0	0	0	25-30	20-30	25	7.5	0
Optional Botanicare Supplements												
Cal-Mag Plus*	0	5-7	5-7	5-7	5-7	5-7	5	5	5	5	0	0
Liquid Karma	5	10	10	10	10	10	10	10	10	10	2.5	0
Sweet	0	0	0	10	10	10	10-15	10-15	10-15	10-15	10	0
Hydroguard	5	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	10	0
Clearfix-every reservoir change or every 2 weeks	0	0	0	0	0	0	0	0	0	0	0	15-30

*when growing plants with reverse osmosis water or in coco media use a minimum of 5 ml of Cal-Mag Plus during the first 2 weeks
For best results, foliar feed plants weekly with 7 ml/gallon of Pure Blend Pro Grow or Bloom or with Liquid Karma at 10-15 ml/gallon

PURE BLEND PRO Soil Container Garden Formula



For use in soil and coco amounts in ml/gallon (4l) 1 teaspoon=5 ml 1 tablespoon=15 ml 1 ounce=30 ml

Light (in hours)	18	18	18	12	12	12	12	12	12	12	12	12
Plant Phase	Clones/Seedlings	Vegetative	Vegetative	Transition	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Pre-Harvest 2-3 days
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Pure Blend Pro Grow 3-1.5-4	7	15	25-30	15	0	0	0	0	0	0	0	0
Pure Blend Pro Soil 1.5-4-5	0	0	0	15	25-30	25-30	25-30	25-30	20-30	25	7.5	0
Optional Botanicare Supplements												
Cal-Mag Plus*	0	5-7	5-7	5-7	5-7	5-7	5	5	5	5	0	0
Liquid Karma	5	10	10	10	10	10	10	10	10	10	2.5	0
Sweet	0	0	0	10	10	10	10-15	10-15	10-15	10-15	10	0
Hydroguard	5	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	10	0
Clearfix-every reservoir change or every 2 weeks	0	0	0	0	0	0	0	0	0	0	0	15-30

*when growing plants with reverse osmosis water or in coco media use a minimum of 5 ml of Cal-Mag Plus during the first 2 weeks
For best results, foliar feed plants weekly with 7 ml/gallon of Pure Blend Pro Grow or Soil or with Liquid Karma at 10-15 ml/gallon

TRIFLEX Base * Grow * Bloom



For use in hydrogardens, soilless mix, aeroponics, N.F.T., rockwool and soil container gardens amounts in ml/gallon (4l) 1 teaspoon=5 ml 1 tablespoon=15 ml 1 ounce=30 ml

Light (in hours)	18	18	18	12	12	12	12	12	12	12	12	12
Plant Phase	Clones/Seedlings	Vegetative	Vegetative	Transition	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Fruiting & Flowering	Pre-Harvest 2-3 days
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Triflex Base	2.5	5-6	7.5	7	7.5	7.5	7.5	7.5	7.5	7.5	3.5	0
Triflex Grow	5	10-12	15	7	0	0	0	0	0	0	0	0
Triflex Bloom	0	0	0	7	15	15	15	15	15	15	7.5	0
Optional Botanicare Supplements												
Liquid Karma	2	5	10	10	10	10	10	10	10	10	5	0
Pure Blend Original	5	10	10	10	10	10	10	10	10	10	5	0
Sweet	0	0	0	10	10	10	10-15	10-15	10-15	10-15	10	0
Hydroguard	2	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10	0
Hydroplex	0	0	0	0	0	5	5	5	5	5	2.5	0
Clearfix-every reservoir change or every 2 weeks	0	0	0	0	0	0	0	0	0	0	0	15-30

*when growing plants in coco media, use 20% more grow formula or 5 ml/gal of Cal-Mag Plus for the first 2 weeks
For best results, foliar feed plants weekly with 10-15 ml/gallon of Liquid Karma or Triflex Grow formula (clone/seedling strength).
In bloom phase use Triflex Bloom (clone/seedling strength) instead of Grow.

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NUTRIENTS & SUPPLEMENTS

IONIC™ ONE PART FORMULA

Revolutionary one part formula formed from a series of complex reactions producing a stable and available form of plant nutrients. Ionic's formula guarantees quality, continuity and ease of use. Ionic™ is pH buffered.

IONIC™ GROW 1 - 3 - 4



Designed specifically for vegetative growth.

Code#	Description	Size	Cs Qty	MSRP
718225	Ionic™ Grow	Quart	12	\$14.00/ea
718230	Ionic™ Grow	Gallon	4	\$33.00/ea
718235	Ionic™ Grow	2.5 Gallon	2	\$65.00/ea
718240	Ionic™ Grow	5 Gallon	1	\$120.00/ea

IONIC™ GROW HARDWATER FORMULA 5 - 2 - 6

Code#	Description	Size	Cs Qty	MSRP
718250	Ionic™ Grow Hardwater	Gallon	4	\$33.00/ea

IONIC™ BLOOM 3 - 2 - 6



For best results use
with IONIC™ BOOST

Designed for flowering/bloom stage of plant growth.

Code#	Description	Size	Cs Qty	MSRP
718175	Ionic™ Bloom	Quart	12	\$14.00/ea
718180	Ionic™ Bloom	Gallon	4	\$33.00/ea
718185	Ionic™ Bloom	2.5 Gallon	2	\$65.00/ea
718190	Ionic™ Bloom	5 Gallon	1	\$120.00/ea

IONIC™ BLOOM HARDWATER FORMULA 4 - 5 - 8

Code#	Description	Size	Cs Qty	MSRP
718200	Ionic™ Bloom Hardwater	Gallon	4	\$33.00/ea
718205	Ionic™ Bloom Hardwater	2.5 Gallon	2	\$65.00/ea

IONIC™ BOOST 0 - 5 - 6



Designed to be used with Ionic™ nutrient or any other full spectrum nutrient solution. Ionic™ Boost is a supplement formulated in the correct ratios to deliver the key elements phosphorus and potassium to the plant during the fruit bulking stages. This leads to larger, healthier flowers & more successful crops.

Code#	Description	Size	Cs Qty	MSRP
732255	Ionic™ Boost	Quart	12	\$14.00/ea
732260	Ionic™ Boost	Gallon	4	\$33.00/ea

NITROZIME™ 0 - 4 - 4



This is an all natural marine algae extract that contains many of the nutrients and growth hormones that plants require for vigorous, healthy growth. It stimulates plant growth by increasing cell division and improves yield by decreasing plant stress. This highly concentrated product is most effective when used as a foliar spray.

Code#	Description	Size	Cs Qty	MSRP
732295	Nitrozime™	8 oz.	12	\$19.00/ea
732300	Nitrozime™	16 oz.	12	\$32.00/ea
732305	Nitrozime™	Quart	12	\$52.00/ea
732310	Nitrozime™	Gallon	4	\$175.00/ea

AGRI 2™ MULTI-PURPOSE WETTING AGENT



Combine
NITROZIME™ with AGRI 2™
for best results

Increases moisture penetration & retention, and improves spray coverage. It promotes greater saturation and speeds penetration of foliar sprays. Use with herbicide sprays, pesticide sprays and fertilizer programs. It is biodegradable and non-toxic. Tested against other wetting agents to be 40% more effective.

Code#	Description	Size	Cs Qty	MSRP
732005	AGRI 2™	8 oz.	12	\$13.00/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
732220	Fossil Fuel®	Quart	12	\$17.00/ea
732225	Fossil Fuel®	Gallon	4	\$32.00/ea
732230	Fossil Fuel® *	2.5 Gallon	2	\$64.00/ea
732235	Fossil Fuel® *	5 Gallon	1	\$117.00/ea

*Not be stocked in all locations

Liquid Humic & Fulvic acids for foliar or root applications. Fossil Fuel® is 98% soluble and provides numerous organic molecules not present in most mineral salt nutrients. Fossil Fuel® provides building blocks for sugars, amino acids and chlorophyll.

FOSSIL FUEL®



Code#	Description	Size	Cs Qty	MSRP
732455	Rock Wool Conditioner Solution	Quart	12	\$13.00/ea
732460	Rock Wool Conditioner Solution	Gallon	4	\$30.00/ea

This solution adjusts and stabilizes rock wool pH for maximum nutrient uptake. A blend of pH controls and minerals for conditioning rock wool before starting seeds, clones, or transplants.

EUROPONIC® ROCK WOOL CONDITIONING SOLUTION



GREENFUSE®

Pure, organic plant stimulators, GreenFuse® products are manufactured in Holland where they have undergone extensive testing by commercial growers. The results... stronger growth, bigger flowers, improved aroma and flavor. No negative residual effect on plants, people or the environment. It is a highly concentrated and easy to use nutrient additive.

Code#	Description	Size	Cs Qty	MSRP
732700	GreenFuse® Root Stimulator	12 oz.	12	\$20.00/ea
732705	GreenFuse® Root Stimulator	Quart	12	\$40.00/ea
732710	GreenFuse® Root Stimulator	Gallon	4	\$140.00/ea

Based on natural plant extracts that will help to initiate new roots and nourish the young plant as it grows, GreenFuse® Root Stimulator is beneficial at all stages of the propagation process and is beneficial to all young plants.

GREEN FUSE® ROOT STIMULATOR



Code#	Description	Size	Cs Qty	MSRP
732715	GreenFuse® Growth Stimulator	12 oz.	12	\$20.00/ea
732720	GreenFuse® Growth Stimulator	Quart	12	\$40.00/ea
732725	GreenFuse® Growth Stimulator	Gallon	4	\$140.00/ea

Based on natural plant extracts that will maximize the potential of the plant to produce strong stems and healthy leaves, GreenFuse® Growth Stimulator is beneficial at all stages of vegetative growth. Mist over foliage for extra vigor.

GREEN FUSE® GROWTH STIMULATOR



Code#	Description	Size	Cs Qty	MSRP
732730	GreenFuse® Bloom Stimulator	12 oz.	12	\$20.00/ea
732735	GreenFuse® Bloom Stimulator	Quart	12	\$40.00/ea
732740	GreenFuse® Bloom Stimulator	Gallon	4	\$140.00/ea

Based on natural plant extracts that will maximize the potential of the plant to produce heavy buds and flowers, GreenFuse® Bloom Stimulator is beneficial throughout the flowering and fruiting cycle. Mist over foliage (avoiding flowers) for even heavier yields.

GREEN FUSE® BLOOM STIMULATOR





圖 1 圖 2 圖 3 圖 4 圖 5 圖 6 圖 7 圖 8 圖 9 圖 10 圖 11 圖 12

CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING CLONE SEEDLING

圖 5 GROWTH 圖 8 FLOWERING 圖 9 圖 10 圖 11 圖 12

MINERAL NUTRITION

Add Ionic Bloom to tap water at the rate of 5 ml per liter or 4 teaspoons per gallon with each reservoir change. Use once at half strength for seedlings and second watering.

Target: pH 5.8 - 6.0 EC 1.8 - 2.0 mS

IONIC GROW

Gardening with hard water? Avoid problems by using Ionic Hard Water Formula.

Add Ionic Grow for Soil/Coco to tap water at the rate of 5 ml per liter or 4 teaspoons per gallon. Use Ionic Grow for Soil/Coco at half strength for seedlings and second watering.

IONIC-GROW FOR SOIL AND COCO

Water plants with solution from day 1 as needed to keep soil moist, allowing 10% of the nutrient solution to run out of the bottom of the container.

Target: pH 5.5 - 6.2 EC 1.0C - 1.8 mS

ORGANIC STIMULATORS

GreenFuse ROOT STIMULATOR



Max GreenFuse Root at the rate of:
1 ml per liter or 3/4 teaspoon per gallon *REGULAR STRENGTH GREENFUSE
1 ml per 15 liters or 1/2 teaspoon per 10 gallons *GREENFUSE DOUBLE NITRATE

GREENFUSE ROOT

Add GreenFuse Growth to fresh nutrient solution at the rate of:
1 ml per liter or 3/4 teaspoon per gallon *REGULAR STRENGTH GREENFUSE
1 ml per 15 liters or 1/2 teaspoon per 10 gallons *GREENFUSE CONCENTRATE
With each reservoir change. For soil or coco in containers, use with each irrigation. Most plants with this solution weekly for extra vigor.

GREENFUSE GROWTH

Soak seeds overnight in a solution of 1-2 teaspoons Nitrozime per quart (5-10 ml per liter) of water. After draining, water with solution of 1-2 teaspoons per quart (5-10 ml per liter) of water.



Add Nitrozime at the rate of 5-10 ml per liter or 1-2 teaspoons per quart, with each reservoir change. For soil or coco in containers, water with solution of 1-2 teaspoons per quart (5-10 ml per liter) every week. For best results, use Hydrozone combined with Azu-2 weekly right as a foliar spray weekly.

NITROZIME



Add FossilFuel to fresh nutrient solution at the rate of 5 ml per liter or 1 teaspoon per quart (1/2 teaspoon per gallon) with each reservoir change. Use weekly as a foliar spray. Thins soil or coco with FossilFuel before grafting.

FOSSILFUEL

Conducting Nitrozime, GreenFuse, and FossilFuel for the ultimate in faster rooting. See your reservoir to apply solutions at a fine mist. Add Azu-2 to foliar solution at the rate of 5 ml per liter or 1 teaspoon per quart for more effective foliar feeding. Most plants thoroughly every 7 to 10 days.

IONIC BLOOM

IONIC BOOST

Add Ionic Bloom for Soil/Coco to tap water at the rate of 5 ml per liter or 4 teaspoons per gallon. Allow 10% of the nutrient solution to run out of the bottom of the container.

Target: pH 5.8 - 6.2 EC 1.60 - 1.8 mS

IONIC-BLOOM FOR SOIL AND COCO

- For most plants this ideal air temperature is 72° - 74° F
- Maintain high humidity to prevent plants from wilting when new roots are forming
- Maintain good air circulation to prevent disease and encourage healthy plant growth
- When using carbon dioxide, increase nutrient strength by 10%.

Add GreenFuse Bloom to fresh nutrient solution at the rate of:
1 ml per liter or 3/4 teaspoon per gallon *REGULAR STRENGTH GREENFUSE
1 ml per 15 liters or 1/2 teaspoon per 10 gallons *GREENFUSE CONCENTRATE
With each reservoir change. For soil or coco in containers, use with each irrigation. Most plants with this solution weekly for extra vigor.

GREENFUSE BLOOM



NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP	AMERICAN PRIDE® ORGANIC BASED DRY MIX 9 - 6 - 6
718578	FoxFarm American Pride®	4 lb bag	8	\$12.95/ea	

NEW SIZE!

American Pride® is considered to be the best all-purpose fertilizer of its kind. It is especially effective for roses, formulated specifically with the nutrients on which roses thrive; alfalfa, iron, and linoleic acid. The additional Iron & Copper produces rich, dark green foliage and abundant blooms. When decomposing, American Pride® will develop more nitrate nitrogen, which is more suitable for flowers than vegetables. Use only three times per year, at the beginning of spring, late spring, and late summer. Now features a resealable bag.

Dry Mix Fertilizer



Code#	Description	Size	Cs Qty	MSRP	MARINE CUISINE® SEAFOOD FOR YOUR GARDEN 10 - 7 - 9
718583	FoxFarm Marine Cuisine®	4 lb bag	8	\$12.95/ea	

NEW SIZE!

Marine Cuisine® is a powerful blend of balanced plant foods combined with Pacific Northwest sea-going fish, crab meal, shrimp meal, bat guano, and earthworm castings, nature's finest soil amendment. Crab and oyster shells feed the beneficial microbes in the soil, creating a healthy soil ecosystem. While decomposing, these oyster and crab shells create ammonical nitrogen which repels harmful adult nematodes out of the growing area. Ammonical nitrogen also benefits vegetables and heavy nitrogen feeders. Marine Cuisine® offers long term feeding, though a slightly later release than American Pride® due to the slower decomposition of the ocean by-products. Perfect for evergreens, azaleas, camellias, rhododendrons, dogwoods, and mix in with vegetables at time of planting for a better crop. Use only twice a year, in early spring and again in late summer. Now features a resealable bag.

Dry Mix Fertilizer



Code#	Description	Size	Cs Qty	MSRP	GROW BIG® ORGANIC BASED CONCENTRATE 6 - 4 - 4
718500	Grow Big®	Quart	12	\$18.49/ea	<p>Grow Big® is a stable, highly concentrated, comprehensive blend of major, minor and micro nutrients formulated to promote spectacular balanced growth, instant green-up and color intensity of blossoms. Grow Big® will enhance plant size and structure of all plants. Grow Big® is great for roses, tomatoes and lawns. Perfect for use during the vegetative cycle, or Grow Big® can be used as the only houseplant fertilizer you will ever need. Expect exceptional results.</p>
718505	Grow Big®	Gallon	4	\$53.95/ea	
718510	Grow Big®	2.5 Gallon	2	\$126.95/ea	
718515	Grow Big®	5 Gallon	1	\$199.95/ea	



Code#	Description	Size	Cs Qty	MSRP	BIG BLOOM™ 100% NATURAL & ORGANIC 0.01 - 0.3 - 0.9
718520	Big Bloom™	Quart	12	\$14.49/ea	<p>ORGANIC</p> <p>This microbial active, water soluble instant plant food specifically formulated to promote and emphasize the blooming characteristics of all flowering and fruiting plants. Big Bloom™ promotes extra large, multiple blooms while dramatically enhancing the flavor of fruits and vegetables. High PK content sweetens taste, fragrance and oil production. Big Bloom™ is suitable for hydroponics, soil, foliar, and drip irrigation systems. Can be used for the whole cycle of plant and in conjunction with other fertilizers.</p>
718525	Big Bloom™	Gallon	4	\$42.95/ea	
718530	Big Bloom™	2.5 Gallon	2	\$94.95/ea	
718535	Big Bloom™	5 Gallon	1	\$179.95/ea	



Code#	Description	Size	Cs Qty	MSRP	GROW BIG® HYDROPONIC A TRUE ONE PART FERTILIZER 3 - 2 - 6
718540	Grow Big® Hydroponic	Quart	12	\$18.49/ea	
718545	Grow Big® Hydroponic	Gallon	4	\$53.95/ea	

Delivers a full spectrum of micro-nutrients and allows for pH adjustment without nutrient lockup. Emphasizes the maximum genetic growth, flowering, and fruiting characteristics of each plant. Sets the standard for quality results!



Code#	Description	Size	Cs Qty	MSRP	TIGER BLOOM® VICIOUS BLOOMER 2 - 8 - 4
718560	Tiger Bloom®	Quart	12	\$18.49/ea	<p>Tiger Bloom® is a low salt, 80% organic fertilizer with chelated minerals. To facilitate easy and immediate absorption this formula is biologically active. It creates a huge flower canopy, massive bud set, prolongs the flowering stage. Tiger Bloom® contains just the right amount of Nitrogen to ensure sturdy lush greenery, growth and vigor as well as producing intense color and blossoming, and dark, dense cell tissue. Perfect to use on any plant at the time of flowering.</p>
718565	Tiger Bloom®	Gallon	4	\$53.95/ea	
718570	Tiger Bloom®	2.5 Gallon	2	\$126.95/ea	
718575	Tiger Bloom®	5 Gallon	1	\$197.95/ea	



NUTRIENTS & SUPPLEMENTS



OPEN SESAME® 5 - 45 - 19



Open Sesame® is a high-phosphorus soluble early-flowering formula fertilizer that is designed to bring plants into bloom at your command. Feed with Open Sesame® starting at about the fifth or sixth week of a plant's life. It will go right to work at the root zone and delivered targeted nutrients when the plants need them the most. Open Sesame® will only take a couple of weeks to produce stocky, sturdy, compact, high-producing plants and buds that are ready to burst.

Designed to work with FoxFarm's other plant foods & fertilizers.

Code#	Description	Size	Cs Qty	MSRP
719920	Open Sesame®	1 lb	12	\$26.95/ea
719925	Open Sesame®	2 lb	12	\$46.95/ea

BEASTIE BLOOMZ® 0 - 50 - 30



Beastie Bloomz® is perfect for gardeners and growers who are ready to take their plants to the next level. This is a high-phosphorus soluble fertilizer that's geared towards building amazing buds and flowers. Our revolutionary micronutrient pack is designed to create unbelievable internal bud density, which means that plants create fat, dense, tightly-packed blossoms, and plenty of them. You'll also see exceptionally brilliant color and a long, dazzling blooming season.

Designed to work with FoxFarm's other plant foods & fertilizers.

Code#	Description	Size	Cs Qty	MSRP
732759	Beastie Bloomz®	1 lb	12	\$26.95/ea
732760	Beastie Bloomz®	2 lb	12	\$46.95/ea

CHA CHING® 9 - 50 - 10



Cha Ching® is engineered to maximize the final phase of a plant's production. Made to use after the fruit has set, Cha Ching® is packed with just the right combination of nutrients to make fruit and flowers drip with flavor and ooze with fragrance.

Cha Ching® is a high-phosphorous fertilizer that won't leave a salty residue or buildup in your hydroponic systems or containerized soil plantings. It contains all the essential elements like calcium, magnesium, boron, manganese, sulfur, molybdenum, iron, copper and zinc to support solid fruit on compact, stocky plants. Designed to work with FoxFarm's other plant foods & fertilizers.

Code#	Description	Size	Cs Qty	MSRP
732749	Cha Ching®	1 lb	12	\$26.95/ea
732750	Cha Ching®	2 lb	12	\$46.95/ea

FOXFARM SOLUBLE TRI PACK



FoxFarm family of fertilizers perform the best when used together. Achieve bumper crop harvests in your garden by combining Beastie Bloomz®, Cha Ching® and Open Sesame®, FoxFarm's new line of high-octane soluble fertilizers. They are specially designed to compliment one another, and deliver generous helpings of all major, minor and micro-nutrients that plants thrive on. Feed your plants the exact nutrition they need for the specific cycle of life they are in. If stocky, compact, flower packed plants are your thing, try FoxFarm Soluble Tri Pack.

When you buy FoxFarm Soluble Tri Pack, a portion of the proceeds go towards Hydro for Hunger, an organization dedicated to reducing world hunger through the power of hydroponic gardening.

Code#	Description	Size	Cs Qty	MSRP
719930	FoxFarm Soluble Tri Pack	3 - 1 lb Canisters	6 Tri Packs	\$81.95/ea

HIGH PHOSPHOROUS BAT GUANO 0 - 4 - 0



ORGANIC

Bat guano has been known since ancient times to be a highly beneficial organic soil amendment that has a powerful effect on all kinds of plants. Our aged high-phosphorous bat guano has no odor. Bat guano contains certain enzymes and natural bacteria that cannot be duplicated in a laboratory. It will deliver spectacular flower set, sweeter tasting fruit, and multiple bud set.

Code#	Description	Size	Cs Qty	MSRP
720100	Bat Guano	4 lb box	12	\$11.95/ea

STEAMED BONE MEAL 3 - 15 - 0



ORGANIC

Bone meal is a wonderful food for bulbs and helps create abundant blossoms. Our bone meal is exceptionally nutritious and low in fat. It will provide a high level of phosphorus for all stages of plant growth and flowering. Bone meal also contains calcium which creates strong cellular plant development.

Code#	Description	Size	Cs Qty	MSRP
720105	Steamed Bone Meal	4 lb box	12	\$8.95/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP	FRUIT & FLOWER 5 - 8 - 4
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720125 Fruit & Flower 4 lb box 12 \$8.95/ea

ORGANIC

Specifically designed to supply nitrogen for early season growth and higher percentage of phosphorus to increase luscious fruit and flower development. This fertilizer will also establish very healthy root systems.



Code#	Description	Size	Cs Qty	MSRP	STARTER 3 - 4 - 3
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720130 Starter 4 lb box 12 \$8.95/ea

ORGANIC

Ideal for transplanting seedlings and repotting established container plantings. This gentle formula is high in phosphorus which encourages healthy root development. It also contains calcium which buffers acidic soils and boosts the plant's ability to fight off disease.



Code#	Description	Size	Cs Qty	MSRP	ACID LOVING PLANTS 6 - 4 - 4
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720135 Acid Loving Plants 4 lb box 12 \$8.95/ea

ORGANIC

Specifically formulated for use on azaleas, rhododendrons, camellias, hydrangeas, evergreens, blueberries, raspberries, strawberries, potatoes and all other acid loving plants. Balanced blend of 100% organic fertilizers plus natural micro-organisms that work in harmony with the soil to deliver optimum plant nutrition. Contains an additional boost of nitrogen for heavy feeding shrubs and cottonseed meal, and excellent slow release fertilizer for plants that need a low pH.



Code#	Description	Size	Cs Qty	MSRP	ALL-PURPOSE 5 - 5 - 5
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720140 All Purpose 4 lb box 12 \$8.95/ea

ORGANIC

Ready-to-use pH balanced blend of 100% organic fertilizers. Contains natural microorganisms that activate in the soil, helping to deliver increased nutrition to plants. Granulated and easy to use, Peace of Mind® is fast acting and also provides gentle slow-release feedings over time. Recommended for vegetable gardens, annual and perennial flower gardens, ornamental plantings and all types of container gardening.



Code#	Description	Size	Cs Qty	MSRP	BULB FOOD 3 - 8 - 8
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720145 Bulb Food 4 lb box 12 \$8.95/ea

ORGANIC

Formulated to encourage long term blooming. This mix contains extra phosphorus and potassium which help plants flower and be more disease resistant. Works great on tulips, daffodils, gladiolus, dahlias and all flowering plants and trees.



Code#	Description	Size	Cs Qty	MSRP	TOMATO & VEGETABLE 7 - 4 - 5
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720150 Tomato & Vegetable 4 lb box 12 \$8.95/ea

ORGANIC

Precisely designed for use on all veggies, tomato varieties, soft fruits and berries. The balanced ratios between nitrogen, phosphorus, and potassium will allow the plant to feed vigorously while producing abundant high quality fruit set. Peace of Mind® also contains calcium which helps prevent blossom end rot, neutralized acidic soil and builds stronger cell walls, making plants more disease resistant.



NUTRIENTS & SUPPLEMENTS



       									
HYDROPONIC SYSTEMS FEEDING SCHEDULE						USE SOLUBLES WITH EVERY FEEDING			One App. » Wk.
✓ WEEK	EC Range	LIGHTS	LIQUIDS / CONCENTRATES			SOLUBLES			RINSE
			GROW BIG HYDRO 3-2-6	TIGER BLOOM	BIG BLOOM	OPEN SESAME	CHA CHING	BEASTIE BLOOM	BUSH DOCTOR: SLEDGEHAMMER
Seeds & Cuttings	EC (1.0 - 1.2)	18 hrs	1 tsp » gal		2 tsp » gal				
1	EC (1.6 - 1.8)	18 hrs	2 tsp » gal		1 Tbl » gal				
2	EC (1.6 - 1.8)	18 hrs	2 tsp » gal		1 Tbl » gal				
RESERVOIR CHANGE									
3	EC (1.6 - 1.8)	18 hrs	3 tsp » gal						2 drops » gal
4	EC (2.1 - 2.3)	18 hrs	3 tsp » gal		1 Tbl » gal	¼ tsp » gal			
RESERVOIR CHANGE									
5	EC (1.7 - 1.9)	12 hrs		2 tsp / gal	1 Tbl » gal	¼ tsp » gal			2 drops » gal
6	EC (1.7 - 1.9)	12 hrs		2 tsp / gal	1 Tbl » gal	¼ tsp » gal			
NUTRIENT FLUSH & RESERVOIR CHANGE									
7	EC (1.9 - 2.1)	12 hrs	2 tsp » gal		1 Tbl » gal			¼ tsp » gal	2 drops » gal
RESERVOIR CHANGE									
8	EC (1.7 - 1.9)	12 hrs	2 tsp » gal		1 Tbl » gal		¼ tsp » gal		2 drops » gal
RESERVOIR CHANGE									
9	EC (2.2 - 2.4)	12 hrs	2 tsp » gal	1 tsp / gal	1 Tbl » gal		¼ tsp » gal		2 drops » gal
10	EC (2.2 - 2.4)	12 hrs	2 tsp » gal	1 tsp / gal	1 Tbl » gal		¼ tsp » gal		
RESERVOIR CHANGE									
11	EC (2.2 - 2.4)	12 hrs	2 tsp » gal	1 tsp / gal	1 Tbl » gal		¼ tsp » gal		2 drops » gal
12	EC (2.2 - 2.4)	12 hrs	2 tsp » gal	1 tsp » gal	1 Tbl » gal		¼ tsp » gal		

FEED WITH EVERY WATERING

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SOIL SYSTEMS FEEDING SCHEDULE					FEED WITH EVERY OTHER WATERING			One App. » Wk.	
✓	WEEK	LIGHTS	LIQUIDS / CONCENTRATES			SOLUBLES			RINSE
	↓	↓	GROW BIG 6-4-4	TIGER BLOOM	BIG BLOOM	OPEN SESAME	CHA CHING	BEASTIE BLOOM	BUSH DOCTOR: SLEDGEHAMMER
	Seeds & Cuttings	18 hrs			2 Tbl » gal				
	1	18 hrs			2 Tbl » gal				
	2	18 hrs	2 tsp » gal		2 Tbl » gal				
	3	18 hrs	3 tsp » gal		2 Tbl » gal				
	4	18 hrs	3 tsp » gal			¼ - ½ tsp » gal			2 drops » gal
	5	12 hrs		2 tsp » gal	1 Tbl » gal	¼ - ½ tsp » gal			
	6	12 hrs		2 tsp » gal	1 Tbl » gal	¼ - ½ tsp » gal			2 drops » gal
	7	12 hrs	2 tsp » gal	2 tsp » gal	1 Tbl » gal			¼ - ½ tsp » gal	
	8	12 hrs	2 tsp » gal	2 tsp » gal	1 Tbl » gal			¼ - ½ tsp » gal	2 drops » gal
	9	12 hrs		2 tsp » gal	1 Tbl » gal		¼ - ½ tsp » gal		
	10	12 hrs		2 tsp » gal	1 Tbl » gal		¼ - ½ tsp » gal		2 drops » gal
	11	12 hrs		2 tsp » gal	1 Tbl » gal		¼ - ½ tsp » gal		
	12	12 hrs		2 tsp » gal	1 Tbl » gal		¼ - ½ tsp » gal		2 drops » gal

FEED WITH EVERY OTHER WATERING

SOIL & SOILLESS FEEDING TIPS: • Use FoxFarm Ocean Forest Potting Soil when transplanting seedlings into larger containers. • For best results - Feed with every other watering. • During the flowering stage reduce the amount of light from 18 hours to 12 hours. • Maintain a pH of 6.3 to 6.8 to prevent nutrient lock up and reduce stress on plants. • Use primary nutrients for abundant growth and stocky, robust plants. • For high-octane yields add supplements to the weekly diet. • Never mix pure concentrates together, always add water first.

Use FoxFarm Bush Doctor Sledge Hammer™ combined with FoxFarm Big Bloom™ in conjunction with other FoxFarm nutrients to relieve plant stress, unlock unwanted salt bonds and allow for increased nutritional flow. Note: In Coco this process is especially helpful, as Coco has a tendency to retain mineral salt build-up.

For longer grow cycles, continue the week 12 feeding schedule until harvest.

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NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
719200	Advance Grow A+B Set	34 oz.	6 sets	\$14.00/ea
719205	Advance Grow A+B Set	1.32 Gallon	1 set	\$55.00/ea
719215	Advance Grow A+B Set	5.28 Gallon	1 unit	\$166.00/ea

Metabolites to provide, a real performance boost from a hydroponic nutrient. The Krebs Cycle is the primary energy cycle of all plants, without which plants could not grow and thrive. The unique Krebs Cycle Metabolites contained within ADVANCE allows for the accelerated metabolism, growth & development of your plants through what is known as "Short Cycling". Ultimately this results in superior yields with increased flavor or aroma for those growing flowers or herbs.

ADVANCE GROW A 2.54 - 0 - 1.65 & GROW B 0.65 - 0.75 - 4.4

DUTCH MASTER™ ADVANCE is the first nutrient in the world to incorporate the radical new concept of Krebs Cycle



Code#	Description	Size	Cs Qty	MSRP
719220	Advance Flower A+B Set	34 oz.	6 sets	\$14.00/ea
719225	Advance Flower A+B Set	1.32 Gallon	1 set	\$55.00/ea
719235	Advance Flower A+B Set	5.28 Gallon	1 unit	\$166.00/ea

ADVANCE FLOWER A 2.4 - 0 - 2 & FLOWER B 0.6 - 1 - 4



Code#	Description	Size	Cs Qty	MSRP
719280	Dutch Master™ One Grow	34 oz.	12	\$9.00/ea
719285	Dutch Master™ One Grow	1.32 Gallon	2	\$30.00/ea
719295	Dutch Master™ One Grow	5.28 Gallon	1	\$94.00/ea

just add 100 ml of ONE to every 10 liters of water and you are well on your way to a perfect crop! ONE incorporates a unique organic calcium binding technology that prevents Calcium & Sulfur from combining together and falling out as an unusable precipitate that is definitely not good for your hydroponic plants.

DUTCH MASTER™ ONE is a breakthrough single part nutrient that has all the performance of a multiple part nutrient,



ONE GROW 2 - 0.3 - 3

Code#	Description	Size	Cs Qty	MSRP
719300	Dutch Master™ One Flower	34 oz.	12	\$9.00/ea
719305	Dutch Master™ One Flower	1.32 Gallon	2	\$30.00/ea
719315	Dutch Master™ One Flower	5.28 Gallon	1	\$94.00/ea

ONE FLOWER 1.8 - 0.5 - 3.1



Code#	Description	Size	Cs Qty	MSRP
719442	Phosphoload	250 ml	12	\$49.95/ea
719443	Phosphoload	1 Liter	12	\$119.95/ea
719446	Phosphoload - Florida Label	250 ml	12	\$49.95/ea
719447	Phosphoload - Florida Label	1 Liter	12	\$119.95/ea

channels the plants energies to commence flowering. Flowers can be seen forming in as little as 3 days after the addition of Phosphoload. Flower production is increased up to 50% with larger more numerous blooms forming. Phosphoload for real big flowers, real fast!

NEW!

PHOSPHOLOAD .3 - .7 - .1

Phosphoload is the original power flower additive. Phosphoload's unique phosphorus profile immediately



Code#	Description	Size	Cs Qty	MSRP
719400	Dutch Master™ Penetrator	34 oz.	12	\$25.00/ea
719401	Dutch Master™ Penetrator	1.32 Gallons	2	\$99.95/ea

PENETRATOR delivers absolutely everything you spray on your plants. It is the only delivery agent on the market, anywhere!

PENETRATOR performs these amazing delivery feats by binding with the cuticle layer that surrounds and protects every leaf. PENETRATOR then temporarily alters this protective layer and the underlying plasma membrane to allow for the full transfer of your foliar applied elements. Once delivery is complete, PENETRATOR will restore your leaf surface and plasma membrane to normal, upon evaporation, without any damage to these vitally important layers. PENETRATOR will not burn or harm your plants. PENETRATOR is so powerful it is best to reduce your regular foliar spray to 1/3 of its normal strength to avoid overloading your plants systems!

NEW!

PENETRATOR 0 - 0 - 0



NUTRIENTS & SUPPLEMENTS



POTASH PLUS 0.7 - 4 - 11



A good quality phosphorus booster should derive its phosphorus from multiple sources and DUTCH MASTER™ POTASH PLUS has been redesigned to contain no less than 6 different phosphorus sources that have been carefully balanced with essential co-factors and micro nutrients to prevent any unwanted lockout, such as magnesium or zinc.

POTASH PLUS was reformulated to provide the next best thing during those last crucial weeks of flowering. POTASH PLUS can also be used for the entire flowering cycle for those that prefer not to foliar spray at all during the flowering period.

Code#	Description	Size	Cs Qty	MSRP
719330	Dutch Master™ Potash	34 oz.	12	\$16.95/ea
719335	Dutch Master™ Potash	1.32 Gallon	2	\$44.00/ea
719340	Dutch Master™ Potash	2.64 Gallon	1	\$77.00/ea
719345	Dutch Master™ Potash	5.28 Gallon	1	\$123.50/ea

DUTCH MASTER™ SPIGOT



Use with all Dutch Master™ 5.28 gallon containers.

Code#	Description	Size	Cs Qty	MSRP
718453	Dutch Master™ Spigot	For 5.28 Gallon	1	\$3.49/ea

MAX GROW & FLOWER

DUTCH MASTER™ MAX's legendary performance is based on our unique Humatic Isolate and Phospholipid technologies that allow for increased availability and uptake of selected elements via chelation. Chelated elements are far more available for uptake and utilization by the plant, regardless of root zone dynamics.

Quite often plants cannot uptake nutrients quickly enough to take full advantage of the optimal conditions supplied to them. DUTCH MASTER™ MAX assists by helping the plant to create special nutrient reservoirs that can be drawn from, in times of unusual demand or circumstances such as accelerated growth patterns or stress due to environmental factors.

MAX Grow is designed to support lush healthy vegetation and growth patterns whereas MAX Flower is designed to support your plants during the flowering or fruiting cycle.

MAX GROW 1 - 1 - 5



Code#	Description	Size	Cs Qty	MSRP
719350	Dutch Master™ Max Grow	34 oz.	12	\$16.95/ea
719355	Dutch Master™ Max Grow	1.32 Gallon	2	\$65.00/ea

MAX FLOWER .11 - 2 - 3



Code#	Description	Size	Cs Qty	MSRP
719370	Dutch Master™ Max Flower	34 oz.	12	\$16.95/ea
719375	Dutch Master™ Max Flower	1.32 Gallon	2	\$65.00/ea

ZONE .09 - 0 - 0.26



Dutch Master™ ZONE is the technically advanced root zone conditioner that helps

your plants build healthy and productive root systems. Designed specifically for hydroponic systems, ZONE allows your plants to maximally absorb nutrients by creating an optimal root environment. Numerous scientific studies, including our own, have shown plants with the healthiest root systems absorb larger quantities of nutrients and water that leads to superior growth & development of your plants.

ZONE minimizes unfavorable root zone conditions that can limit the health and effectiveness of your plants root system.

Code#	Description	Size	Cs Qty	MSRP
719430	Dutch Master™ Zone	34 oz.	12	\$22.50/ea
719435	Dutch Master™ Zone	1.32 Gallon	2	\$84.00/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP	SILICA 0-0-2
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719440 Dutch Master™ Silica 34 oz. 12 \$21.50/ea Utilizing silicon in its potassium form together with a suite of complimentary micro nutrients, DUTCH MASTER™ SILICA is the most soluble & plant available silicon nutrient supplement on the market today, ensuring maximum benefits.

Plants are able to produce a thicker & stronger cell wall that is associated with better plant health through increased resistance to environmental stress. In high nitrogen environments, such as in most hydroponic systems, adequate levels of silica are now considered to be essential to avoid overly soft tissue symptoms and their associated negative effects.



Code#	Description	Size	Cs Qty	MSRP	REVERSE 0-.02-.02
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719390 Dutch Master™ Reverse 34 oz. 12 \$17.00/ea Reverse is a revolutionary plant spray that prevents the establishment of a plants reproductive processes. By inhibiting proper pollen production this product stops seed formation in most dioecious plants.

Reverse is ready to use, just add the proper amount of Penetrator and thoroughly cover your leaves and flowers. Use as a preventative before bloom set and as a reactive after flowers have begun to form. This type of product is responsible for the marketed "seedless" varieties of cucumbers, watermelons, and other curcubit.



FOLITECH GROW & FOLITECH FLOWER

It's now a scientific fact that FOLITECH, when used together with PENETRATOR, will increase your plants basic energy production (response to light) up to a whopping 180%!

In recently conducted experiments by DUTCH MASTER™'s Senior Researcher, FOLITECH, together with PENETRATOR, was sprayed on plants & the total chlorophyll activity & chlorophyll fluorescence levels were measured using an advanced Bio Rad Confocal Laser Microscope. The results were, to say the least, astonishing.

Code#	Description	Size	Cs Qty	MSRP	FOLITECH GROW .15-.05-.3
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719410 Dutch Master™ Folitech Grow 34 oz. 12 \$32.50/ea FOLITECH Grow has been dynamically designed to channel this increased energy into key areas of vegetative development. Complex branching, tighter internodal spaces and faster, more luxurious growth, are all possible when using FOLITECH Grow.



Code#	Description	Size	Cs Qty	MSRP	FOLITECH FLOWER .06-.13-.3
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719420 Dutch Master™ Folitech Flower 34 oz. 12 \$32.50/ea FOLITECH Flower is specifically designed to assist your plants during the first 4 weeks of flowering or fruiting by channeling the increased plant energy towards those processes responsible for initiating a strong flowering or fruiting response.



Code#	Description	Size	Cs Qty	MSRP	APS .09-.015-.098
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719445 Dutch Master™ APS 1.32 Gallon 2 \$16.00/ea DUTCH MASTER™ APS is the industry's most advanced, innovative and unique cloning product that sets you up for unrivalled cloning success! Cloning is a very delicate art and one that quite often has to be extremely precise to consistently deliver the results you need. Plants that undergo stress during this period remain smaller and yield less than their non-stressed counterparts.

DUTCH MASTER™ APS first acts a soak for your rock wool cubes, perfectly preparing them to accept your new, delicate cuttings. Just immerse your cubes in APS until they are saturated, shake off the excess and your good to go. Cloning made easy!

Because newly taken cuttings have no roots you must provide them with all of their nutrition if they are going to grow and thrive. Don't worry, APS as it is also a ready to use foliar spray that is perfectly and precisely tailored to provide the ideal nutritional profile required for young cuttings. With a carefully blended suite of Macro & Micro nutrients together with a unique profile of humatic isolates and phospholipids, APS is perfectly designed to get your cuttings off to flying start.



NUTRIENTS & SUPPLEMENTS

ADVANCE

ADVANCE GROW

For every 2.5 gallons / 10 liters of water add the following:

	GROW "A"	GROW "B"	POTASH +	MAX GROW	ZONE	SILICA	FOLITECH GROW	MAX-FX GROW	PPM
WK 1	25 ml/ 5 tsp	25 ml/ 5 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	2.5 ml/ 0.5 tsp	1 liter / 1 quart water add:	1 liter / 1 quart water add:	800-1000
WK 2	25 ml/ 5 tsp	25 ml/ 5 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	2.5 ml/ 0.5 tsp	60 ml/ 4 tblsp	60 ml/ 4 tblsp	800-1000
WK 3	30 ml/ 6 tsp	30 ml/ 6 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	FOLITECH Grow &	MAX-FX Grow &	1000-1200
WK 4	30 ml/ 6 tsp	30 ml/ 6 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	PENETRATOR. Spray leaves 2 times per week until runoff.	PENETRATOR. Spray leaves 2 times per week until runoff.	1000-1200

0 Begin flower schedule

ADVANCE FLOWER

	FLOWER "A"	FLOWER "B"	POTASH +	MAX FLOWER	ZONE	SILICA	FOLITECH FLOWER	MAX-FX FLOWER	REVERSE	PPM
WK 1	45 ml/ 9 tsp	45 ml/ 9 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	1 liter / 1 quart water add:	1 liter / 1 quart water add:	1 liter REVERSE add:	1200-1400
WK 2	45 ml/ 9 tsp	45 ml/ 9 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	60 ml/ 4tblsp	60 ml/ 4tblsp	10 ml/ 2 tsp	1200-1400
WK 3	40 ml/ 8 tsp	40 ml/ 8 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	FOLITECH Flower &	MAX-FX Flower &	PENETRATOR.	1000-1200
WK 4	40 ml/ 8 tsp	40 ml/ 8 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	PENETRATOR.	PENETRATOR.	Spray plants weeks 1 & 3	800-1000
WK 5	30 ml/ 6 tsp	30 ml/ 6 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	Spray leaves	Spray leaves	in flower until	600-800
WK 6	15 ml/ 3 tsp	15 ml/ 3 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	2 times per week	2 times per week	runoff occurs.	WATER
WK 7	WATER	WATER	WATER	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	until runoff.	until runoff.	runoff occurs.	WATER



ADDITIONAL INFORMATION:

Measurements are based on 0.00 ppm water.
 Fill tank with water, then add nutrient solution.
 POTASH+ is added one week prior to introducing your plants to the flowering cycle.
 For longer grow cycles repeat weeks 3 & 4.
 For longer flowering cycles repeat weeks 3 & 4.
 Always add PENETRATOR to foliar sprays including FOLITECH and REVERSE.
 Calibrate your pH & ppm meters weekly prior to checking nutrient solution for optimum results.
 pH for soilHess mix is 6.5 - 7.0
 pH for Hydroponics, Aeroponics and Coir systems is 5.5 - 6.2
 REVERSE is designed to be used with 10ml of PENETRATOR per liter only.
 Spray MAX-FX & FOLITECH on alternate days.

Legend

5 ml	= 1 teaspoon
15 ml	= 1 tablespoon
30 ml	= 1 ounce
1 quart	= 0.95 liters
1 gallon	= 3.79 liters

DUTCHTM MASTER
 THE FUTURE OF HYDROPONIC NUTRIENTS

ONE

ONE GROW

For every 2.5 gallons / 10 liters of water add the following:

	ONE GROW	POTASH+	MAX GROW	ZONE	SILICA	FOLITECH GROW	MAX-FX GROW	PPM
WK 1	70 ml/ 14 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	2.5 ml/ 0.5 tsp	1 liter / 1 quart water add:	1 liter / 1 quart water add:	800-1000
WK 2	80 ml/ 16 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	2.5 ml/ 0.5 tsp	60 ml/ 4 tblsp	60 ml/ 4 tblsp	1000
WK 3	100 ml/ 20 tsp		10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	FOLITECH Grow &	MAX-FX Grow &	1000-1200
WK 4	100 ml/ 20 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	PENETRATOR. Spray leaves 2 times per week until runoff.	PENETRATOR. Spray leaves 2 times per week until runoff.	1000-1200

0 Begin flower schedule

ONE FLOWER

	ONE FLOWER	POTASH +	MAX FLOWER	ZONE	SILICA	FOLITECH FLOWER	MAX-FX FLOWER	REVERSE	PPM
WK 1	110 ml/ 22 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	1 liter / 1 quart water add:	1 liter / 1 quart water add:	1 liter REVERSE add:	1200-1400
WK 2	110 ml/ 22 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	60 ml/ 4tblsp	60 ml/ 4tblsp	10 ml/ 2 tsp	1200-1400
WK 3	110 ml/ 22 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	FOLITECH Flower &	MAX-FX Flower &	PENETRATOR.	1000-1200
WK 4	100 ml/ 20 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	PENETRATOR.	PENETRATOR.	Spray plants weeks 1 & 3	800-1000
WK 5	70 ml/ 14 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	Spray leaves	Spray leaves	in flower until	600-800
WK 6	60 ml/ 12 tsp	15 ml/ 3 tsp	10 ml/ 2 tsp	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	2 times per week	2 times per week	runoff occurs.	WATER
WK 7	WATER	WATER	WATER	2.5 ml/ 0.5 tsp	5 ml/ 1 tsp	until runoff.	until runoff.	runoff occurs.	WATER



ADDITIONAL INFORMATION:

Measurements are based on 0.00 ppm water.
 Fill tank with water, then add nutrient solution.
 POTASH+ is added one week prior to introducing your plants to the flowering cycle.
 For longer grow cycles repeat weeks 3 & 4.
 For longer flowering cycles repeat weeks 3 & 4.
 Always add PENETRATOR to foliar sprays including FOLITECH and REVERSE.
 Calibrate your pH & ppm meters weekly prior to checking nutrient solution for optimum results.
 pH for soilHess mix is 6.5 - 7.0
 pH for Hydroponics, Aeroponics and Coir systems is 5.5 - 6.2
 REVERSE is designed to be used with 10ml of PENETRATOR per liter only.
 Spray MAX-FX & FOLITECH on alternate days.

Legend

5 ml	= 1 teaspoon
15 ml	= 1 tablespoon
30 ml	= 1 ounce
1 quart	= 0.95 liters
1 gallon	= 3.79 liters

DUTCHTM MASTER
 THE FUTURE OF HYDROPONIC NUTRIENTS

EARTH JUICE™ LIQUID ORGANIC FERTILIZERS

All the Earth Juice™ formulas are derived from entirely natural sources. Formulated for vegetables, ornamentals, shrubs, trees and lawns. Designed for soil and soilless medias, indoor or outdoor use. No hidden NPK boosting synthetics. No artificial additives, colors, or vitamins. No added chlorine or formaldehyde.

Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ GROW 2-1-1
718655	Earth Juice™ Grow	Quart	12	\$10.95/ea	
718660	Earth Juice™ Grow	Gallon	4	\$24.25/ea	



Nitrogen formulation for vigorous green growth. It may also be used as a superior general purpose fertilizer that will provide vigorous growth and outstanding production of flowers, vegetables and fruit. It is the Best Choice for those who prefer to use a single formula. Approved by Organic Materials Review Institute for organic crop production.

ORGANIC



Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ BLOOM 0-3-1
718680	Earth Juice™ Bloom	Quart	12	\$10.95/ea	
718685	Earth Juice™ Bloom	Gallon	4	\$24.25/ea	



A no nitrogen phosphorous formula that is used to promote buds, flowers, fruit and vegetables. Use at first sign of budding and throughout the production period. Also good for plants that do not require any nitrogen, such as cactus and legumes. Approved by Organic Materials Review Institute for organic crop production.

ORGANIC



Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ CATALYST 0.03-0.01-0.10
718705	Earth Juice™ Catalyst	Quart	12	\$9.95/ea	
718710	Earth Juice™ Catalyst	Gallon	4	\$21.95/ea	



A premium organic additive that encourages compact branching, stimulates optimal fruiting sites, and triggers early yields. Conditions soils and hydroponic solutions for better nutrient availability. Best to use in conjunction with other NPK fertilizers.

ORGANIC



Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ META-K 0-0-10
732835	Earth Juice™ Meta-K	Quart	12	\$11.95/ea	
732840	Earth Juice™ Meta-K	Gallon	4	\$25.95/ea	

A natural potassium-based formulation for maturing, fruiting, and flowering plants that require more potassium. Increase use prior to and during flowering/fruiting to improve the plant's ability to support greater yields, build heat and drought tolerances, and to maximize nutrient assimilation.



Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ MICROBLAST
732855	Earth Juice™ Microblast	Quart	12	\$10.95/ea	
732860	Earth Juice™ Microblast	Gallon	4	\$24.95/ea	

A proprietary liquid micronutrient formula to be used to prevent and correct micronutrient deficiencies. Naturally buffered for assured plant absorption. May be watered in or used as a foliage spray.



Code#	Description	Size	Cs Qty	MSRP	EARTH JUICE™ ASSIST
732875	Earth Juice™ Assist	Quart	12	\$8.95/ea	

A natural wetting agent and media conditioner, for use with soil, soilless, hydroponics and hydro-organics. Use to soften soils for better moisture penetration and to increase fertilizer availability, especially effective when combined with Catalyst. Combine with most Earth Juice™ products for the best possible plant performances. A must for conditioning coconut coir, peat, rock wool, etc. Also may aid the flow of nutrients through feeding lines and help reduce blockages.



NUTRIENTS & SUPPLEMENTS

Nature's Nectar™ is the worlds first all natural certified organic nutrient that is compatible with hydroponics, soil, coco gardening and drip irrigation. Nature's Nectar™ has also been approved by the Organic Materials Review Institute (OMRI) for food crop production. This ensures that this concentrated formula and its components are certified organic. Nature's Nectar™ is the leading natural organic nutrient in commercial food and fruit production. Nature's Nectar™ solution contains no sediment and has been manufactured so all nutrients are instantly available to your plant. Nature's Nectar™, for exceptional growth, quality and yield. Please view www.orgaponics.com for amazing photos, test results and detailed information for this exceptional line of products.

NATURE'S NECTAR™ NITROGEN 5-0-0

NEW!



OMRI
Listed

Guaranteed Minimum Analysis is Nitrogen (N) 5.0%.

Advantages:

- Completely solublized, instantly available source of nitrogen with no sediment.
- 13% of the formula contains 21 free amino acids.
- Provides nutrition for beneficial bacteria improving conditions of growing medium.
- Increases photosynthesis for a greener plant.

Code#	Description	Size	Cs Qty	MSRP
719870	Nature's Nectar™ Nitrogen	Quart	12	\$17.99/ea
719875	Nature's Nectar™ Nitrogen	Gallon	4	\$49.99/ea

NATURE'S NECTAR™ PHOSPHORUS 0-2

NEW!



OMRI
Listed

Guaranteed Minimum Analysis is Available Phosphate (P205) 2.0% Calcium (Ca) 0.7%.

Advantages:

- Completely solublized phosphorus source that also contains Calcium.
- Organic acid ensures phosphorus is easily absorbed.
- Adds size and weight to fruit and flowers.
- Aids in root development.

Code#	Description	Size	Cs Qty	MSRP
719880	Nature's Nectar™ Phosphorus	Quart	12	\$17.99/ea
719885	Nature's Nectar™ Phosphorus	Gallon	4	\$49.99/ea

NATURE'S NECTAR™ POTASSIUM 0-0-5

NEW!



OMRI
Listed

Guaranteed Minimum Analysis is Soluble Potash (K2O) 5.0%. Advantages:

- Fast release potassium completely solublized.
- The potassium source also contains cytokinins to increase number of flower sites.
- Simple and complex carbohydrates.
- Alginic acid ensures translocation of potassium into plant.
- Builds plants immune system with a combination of sea kelp species.

Code#	Description	Size	Cs Qty	MSRP
719890	Nature's Nectar™ Potassium	Quart	12	\$17.99/ea
719895	Nature's Nectar™ Potassium	Gallon	4	\$49.99/ea

COMMERCIAL APPLICATION

This product has been thoroughly tested by the Harrow Research Center in Harrow, Ontario. Harrow is a well respected national network of 19 centers dedicated to agriculture and food crops. As Canada's premier horticulture testing facility, scientist have run very successful trials on tomatoes with Nature's Nectar™ using hydroponics. See picture of the test results below.



**NO pH
ADJUSTMENT
NECESSARY!**

HOBBY APPLICATION

We have conducted our own tests with Nature's Nectar™ as well. We grew tomatoes in a Home Box using a 1000 HPS light system in a 4" Yield Master reflector. The container is an Autopot. The amount of fruit produced was simply amazing! The tomatoes were the best tasting, most flavorful tomatoes we have ever had. Nature's Nectar™, is a revolutionary introduction to hobby gardening. We guarantee you will be thrilled with the results of this 100% organic, OMRI listed, fertilizer program.





Nature's Nectar™ Certified Organic Feed Program



NATURE'S NECTAR™ COMPONENTS	WEEK 1		WEEK 2		WEEK 3		WEEK 4		WEEK 5		WEEK 6		WEEK 7		WEEK 8	
WATER AMOUNT	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L	1 GAL	4 L
NATURE'S NECTAR NITROGEN 5-0-0	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML	1.6 TSP	8 ML
NATURE'S NECTAR PHOSPHORUS 0-2-0	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML
NATURE'S NECTAR POTASSIUM 0-0-5	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML	2.4 TSP	12 ML

NATURE'S NECTAR™ ORGANIC GARDENING TIPS FOR HYDROPONICS

- Please do not adjust pH. Greenhouse trials have proven that this step is not necessary.
- Clean all equipment between grow cycles.
- To keep reservoir looking like mineral based nutrients please add a 100-micron filter #708700 (this is not mandatory for performance).
- Change reservoir weekly.
- Nature's Nectar™ natural organics will not register on a PPM/EC pen (no pen required).
- DO NOT inject air into reservoir (i.e. air stones, air pumps, etc.).

MIXING INSTRUCTIONS: SOIL

Same as above with every watering. There are no special procedures for soil growing.

5 GALLON RECIPE

Nitrogen = 2.7 Tablespoons
Phosphorus = 4 Tablespoons
Potassium = 4 Tablespoons

Nature's Nectar™

This organic nutrient program is not only very effective, but also very simple. It has been proven in greenhouse & field tests that the same product dosage can be used for the entire growth cycle of the plant. It will not burn your seedlings, yet it can grow 20 ft. plants loaded with fruit.

Code#	Description	Size	Cs Qty	MSRP
719710	Organa-Add™	Quart	12	\$19.95/ea
719715	Organa-Add™	Gallon	4	\$68.95/ea

ORGANA-ADD™ 2-0-0



The same formula growers across the globe have grown to trust is now O.M.R.I. certified. Organa-Add™ functions as a growth and bloom catalyst containing all necessary organic activators. Adding the product to your regimen will increase the production of essential oils improving overall quality while maximizing your yield. A balanced formula of vitamins, amino acids, carbohydrates, proteins and organic chelates. Organa-Add™ should be used for the duration of your crops cycle to ensure explosive growth. To increase absorption rates of amino acids, this completely solubilized liquid can also be foliar sprayed. Organa-Add™ is super concentrated at 1 teaspoon for 5 gallons and should be used in conjunction with your favorite fertilizer.



Code#	Description	Size	Cs Qty	MSRP
719720	Organa-Guano™	Quart	12	\$19.95/ea
719725	Organa-Guano™	Gallon	4	\$68.95/ea

ORGANA-GUANO™ 0-2-0



Organa-Guano™ is a natural organic flowering stimulant derived from fruit eating bats. Organa-Guano™ functions as a flowering catalyst containing all necessary organic activators. The completely solubilized liquid contains the highest rate of phosphorus without the addition of synthetics. The use of a liquid guano is three times more cost effective and concentrated as compared to powder. The organic liquid form of phosphorus is easily absorbed, stimulates early flowering, contains beneficial enzymes, increases number of branches/flower sites, enhances aroma and improves taste. The formula is non burning and contains no odor or harmful residue. Organa-Guano™ is user friendly and any grower can achieve exceptional results.



Code#	Description	Size	Cs Qty	MSRP
719700	Pure Flowers	Quart	12	\$28.95/ea
719705	Pure Flowers	Gallon	4	\$88.95/ea

PURE FLOWERS 0-30-20

Pure Flowers liquid was scientifically formulated with cutting edge phosphite technology. Pure Flowers 0-30-20 has the highest nutrient levels ever achieved in a completely solubilized liquid. The unique molecular structure of a phosphite is easily absorbed through the roots and leaves ensuring the crop instantly uptakes potassium and phosphorus. The ultimate flowering supplement will maximize your crops yield and boost the crops immune system. The immune system will then be able to better resist powdery mildew, brown rot and other harmful fungi. While protecting it also accelerates flower development and increases yields. Developed for hydroponics and soilless gardening, Pure Flowers is super concentrated at 1 teaspoon for 5 gallons. The liquid formulation is easy to use in reservoirs, drench and foliar.



NUTRIENTS & SUPPLEMENTS



EARTH JUICE™ ESSENTIAL



Code#	Description	Size	Cs Qty	MSRP
732775	Earth Juice™ Essential	Quart	12	\$7.95/ea

A natural aromatic scent concentrate, consisting of aromatic botanical extracts. For use on compost, foliage, stock tanks. May be used alone or in conjunction with other plant foliar sprays. Not a plant food or pesticide.

HEAVY BLOOM™ 0 - 1 - 2



Code#	Description	Size	Cs Qty	MSRP
732761	Heavy Bloom™	1 Liter	6	\$19.95/ea
732762	Heavy Bloom™	4 Liter	4	\$55.95/ea

Heavy Bloom™ is an organic based formula designed to increase the size and weight of fruits and flowers. It contains nutrient supplements derived from natural plant extracts including Amino Acids, Vitamins and Carbohydrates. It also contains Phosphorus and Potassium derived from organic and inorganic sources. The composition of nutrients in this formulation will change the hormonal balance of the plant leaving more nutrients available for synthesis of reproductive tissues. This phenomenon will yield a plant with bigger, better and higher density flowers and fruits.

BLOOM FUEL™ 0 - 0 - 2



ORGANIC

Code#	Description	Size	Cs Qty	MSRP
732763	Bloom Fuel™	1 Liter	6	\$19.95/ea
732765	Bloom Fuel™	4 Liter	4	\$55.95/ea

Bloom Fuel™ represents an entirely new method of feeding aimed at pushing plants into the flowering stage. This 100% organic, transition product is designed to reduce the vegetative stage of growth and "switch" the plants over to the flowering stage. As the plant switches stages, Bloom Fuel™ helps to create multiple flower sites with more lateral branching by providing just the right balance of energy and nutrients.

MONSTER BLOOM™ 0 - 50 - 30

NEW LOWER PRICES



Code#	Description	Size	Cs Qty	MSRP
718820	Monster Bloom™	130 g	12	\$10.95/ea
718825	Monster Bloom™	500g	6	\$39.95/ea
718830	Monster Bloom™	2.5 Kg	1	\$185.95/ea
718835	Monster Bloom™	5 Kg	1	\$348.95/ea

Monster Bloom™ is designed to increase the plant's ability to flower. It increases the essential oil content in herbs and speeds up the development of flower bud set and the total flowering phase. Monster Bloom™ adds size and mass to flowers in the budding and flowering cycles. Stop using the last two weeks of the flowering cycle.

MONSTER GROW™ 12 - 7 - 15



Code#	Description	Size	Cs Qty	MSRP
718840	Monster Grow™	130 g	12	\$10.95/ea
718845	Monster Grow™	500 g	6	\$36.95/ea

Monster Grow™ is a high nitrogen fuel for high performance growing that gives an added boost to your plants while they are in the vegetative stage. It is designed to be used only once to give your plants an additional push to produce extra lush green vegetative growth.

VITAMAXPLUS™ B1 PLANT FORMULA 1 - 1 - 2



Code#	Description	Size	Cs Qty	MSRP
718855	VitaMaxPlus™	1 liter	6	\$20.95/ea
718860	VitaMaxPlus™	4 liter	4	\$69.95/ea

VitaMaxPlus™ is a scientifically created formula designed to encourage better root development, larger buds, blooms, fruits, and flowers. Great for transplanting and rooting, VitaMaxPlus™ is a plant growth enhancer that contains many essential macro and chelated micro elements along with natural B vitamins. VitaMaxPlus™ is a great additive to your regular nutrient that helps boost the effects and allows the plant to better utilize the nutrients provided. VitaMax contains additional amino acids and enzymes as the desirable "plus" for certain feeding programs (such as tomato and pepper crops). The enzymes break down nutrient clusters and the calcium aids in preventing bud abort and blossom end rot.

PRO-SILICATE™ 0 - 0 - 3.8



Code#	Description	Size	Cs Qty	MSRP
718890	Pro-Silicate™	1 liter	12	\$9.95/ea
718895	Pro-Silicate™	4 liter	4	\$27.49/ea

Pro-Silicate™ is a nutritional silicate additive containing potassium and silicon. It helps keep the plants upright, positioning the leaves correctly for maximum light exposure that ultimately leads to more food production because of a high rate of photosynthesis. Pro-Silicate™ helps the plant battle wilting and drought by acting as insulation against excess water loss at higher temperatures. This helps increase plant growth and prolongs bloom life.

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP	INSTAGREEN™ 3-0-0
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718900 InstaGreen™ 1 liter 6 \$10.95/ea

InstaGreen™ is a dark greening solution, scientifically formulated to bring plants back to a lush, dark color and vigor. InstaGreen™ will eliminate yellow leaves in seedlings and cuttings. Use InstaGreen™ when plants are stressed due to under-feeding or transplanting until vigor has returned. Best used as a foliar spray in both indoor and outdoor applications.



Code#	Description	Size	Cs Qty	MSRP	MEGA WET™
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718905 Mega Wet™ 250 ml 12 \$10.49/ea

Mega Wet™ is a multi-purpose wetting agent and emulsifier for oil-based products. Use Mega Wet™ to improve foliar spray coverage on plants and lengthen contact time. This product also aids in the suspension of wettable powders and produces finer sprays.



Code#	Description	Size	Cs Qty	MSRP	CAL-MAX™ 2-0-0
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732960 Cal-Max™ 1 Liter 6 \$10.95/ea
732970 Cal-Max™ 4 Liter 4 \$34.49/ea

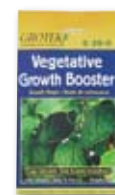
An excellent source of additional calcium, magnesium and iron Cal-Max™ can be used on all plants, providing calcium, magnesium and iron for your garden. This helps solve one of the most common nutrient deficiency problems facing fruit and vegetable growers as many soils or potting mixes simply do not have enough of those nutrients to keep the hungry plants growing. Using Cal-Max™ as part of your regular feeding program will help to eliminate leaf yellowing or flowers dropping off. It helps prevent tip burning in lettuce and cabbage as well as blossom rot in tomatoes and peppers. Use Cal-Max™ and enjoy the fruits (and vegetables) of your labor!



Code#	Description	Size	Cs Qty	MSRP	VEGETATIVE GROWTH BOOSTER™ 8-39-0
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732975 Vegetative Growth Booster™ 20 gram 10 \$14.95/ea

Vegetative Growth Booster™ is a specially formulated product for vegetative growth. Use Growth Booster to increase development in the early stages of growth. Vegetative Growth Booster™ gives high performance in all mediums. When you are looking for full and vibrant green leaves, use Vegetative Growth Booster™.



Code#	Description	Size	Cs Qty	MSRP	BLOSSOM BLASTER™ 0-39-25
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732980 Blossom Blaster™ 20 gram 10 \$10.49/ea
732982 Blossom Blaster™ 300 gram 6 \$129.95/ea

Blossom Blaster™ is a powerful blend of phosphorous and potassium fertilizers. Use Blossom Blaster™ to add size to your blossoms by adding it to your nutrient solution just before flowers are starting to form. It supplies the plant with a reliable source of nutrition in the area where blossoms are developing. Blossom Blaster™ gives high performance in all mediums.

- use only 2x during flowering cycle
- use only with change of nutrient



Code#	Description	Size	Cs Qty	MSRP	SUPER OXY™ H ₂ O ₂ 35% HYDROGEN PEROXIDE AQUEOUS SOLUTION
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732985 Super Oxy™ H₂O₂ 1 Liter 12 \$11.95/ea
732990 Super Oxy™ H₂O₂ 4 Liter 4 \$33.95/ea

35% H₂O₂ promotes thicker stems and larger leaves by providing additional oxygen. Hydrogen Peroxide is used through irrigation and is composed of water and oxygen which stimulates nutrient consumption. A higher oxygen level in the nutrient solution will improve the plants ability to take up the available nutrients from any medium. Proper use will enhance thicker stems, larger leaves and shorter spacing on stems. Can also be used as a cleaning agent in irrigation systems and/or propagation.



NUTRIENTS & SUPPLEMENTS



MM2000™



MM2000™ is an organic-based, biodegradable and non-toxic stress relieving product, designed to promote/maintain better plant growth. Its major constituents are some beneficial plant nutrients, amino acids, plant extracts and essential oils, which help plants in maintaining vigorous plant growth by inhibiting colonization and better utilizing plant nutrients. Plant derived amino acids provide instant energy that can support the plant to come out of any stress.

MM2000™ can be used either as a foliar application or through nutrient solution. Its use through nutrient solution will shield the fragile root system from unfavorable nutritional effects.

Code#	Description	Size	Cs Qty	MSRP
733010	Grotek MM2000™	1 Liter	6	\$17.95/ea

B'CUZZ® BLOOM 0 - 0 - 0.7



Especially for the plant's blooming phase. B'CUZZ® Bloom encourages flower cell production and increases the manufacture and transport of sugar molecules in the flowers. This will lead to big, dense flowers and great taste. In this way, quantity as well as quality will increase on the final product.

Code#	Description	Size	Cs Qty	MSRP
732025	B'CUZZ® Bloom	12 oz.	12	\$19.95/ea
732030	B'CUZZ® Bloom	Quart	12	\$39.95/ea
732035	B'CUZZ® Bloom	Gallon	4	\$139.95/ea

B'CUZZ® GROWTH 1.0 - 0 - 0.7



B'CUZZ® Growth has been developed specifically to stimulate the growth phase and it is a necessary supplement to normal nutrition. It is an all-in-one growing stimulator, containing micro-nutrients, aqua-bacteria's, amino acids and proteins.

Code#	Description	Size	Cs Qty	MSRP
732040	B'CUZZ® Grow	12 oz.	12	\$19.95/ea
732045	B'CUZZ® Grow	Quart	12	\$39.95/ea
732050	B'CUZZ® Grow	Gallon	4	\$139.95/ea

B'CUZZ® ROOT 0 - 0 - 0.7



Roots are necessary to the plant to provide a continuous supply of water, sugars, and mineral nutrients. The larger root system, the more dynamically the plant can function and grow. B'CUZZ® Root will initiate an explosive root production. B'CUZZ® Root solutions can be best used in cloning systems, and for young plants, cuttings, or seedlings.

Code#	Description	Size	Cs Qty	MSRP
732055	B'CUZZ® Root	12 oz.	12	\$19.95/ea
732060	B'CUZZ® Root	Quart	12	\$39.95/ea
732065	B'CUZZ® Root	Gallon	4	\$139.95/ea

B'CUZZ® FOLIAR



The very first OMRI certified foliar spray proven to enhance the performance of B'CUZZ® stimulators in all stages of plant development. The new B'CUZZ® Foliar contains all certified organic activators in one bottle (micronutrients, amino acids, cytokinins, vitamins, esters, carbons) and are instantly available when used as a foliar spray.

Code#	Description	Size	Cs Qty	MSRP
732067	B'CUZZ® Foliar	Quart	12	\$29.95/ea
732068	B'CUZZ® Foliar	Gallon	4	\$89.95/ea

B'CUZZ® TABZZ 0 - 12 - 15



B'CUZZ® Blossom Builder Tabzz are 100% sizzling flower multipliers that ensures an explosive flower development in the flower phase. They make sure that all the strength of the plant is directed towards the flowers at the end of the growth. B'CUZZ® Tabzz can be used in earth, hydro, and coco applications. Derived from: Sodium Bicarbonate, Citric Acid, Mono Potassium Phosphate.


Advantages:


- No roughage and binding agents
- Dissolves immediately in nutrient container
- Direct absorption by the plant


Code#	Description	Cs Qty	MSRP
732069	B'CUZZ® Tabzz	18	\$5.95/ea

B.C. HYDROPONIC NUTRIENTS™

The B.C. Hydroponic Nutrients™ are a power-packed trio for nurturing generous vegetative crops and extraordinary floral growth. B.C. Boost, B.C. Bloom and B.C. Grow are complete, professionally formulated, highly concentrated fertilizing agents. Unlike other brands, which include micronutrients in only one part of the formula, both B.C. Grow and B.C. Bloom contain a full complement of micronutrients, which are bolstered by the added calcium and iron in B.C. Boost. This remarkable three-part fertilizer is easy to mix and control, with simple to follow mixing instructions printed on every label.

Code#	Description	Size	Cs Qty	MSRP	B.C. BOOST 3-0-2
720540	B.C. Boost	1 Liter	12	\$15.27/ea	
720545	B.C. Boost	4 Liter	4	\$28.55/ea	
720550	B.C. Boost	10 Liter	2	\$64.95/ea	
720555	B.C. Boost	20 Liter	1	\$114.25/ea	

Code#	Description	Size	Cs Qty	MSRP	B.C. BLOOM 1-4-7
720560	B.C. Bloom	1 Liter	12	\$12.97/ea	
720565	B.C. Bloom	4 Liter	4	\$25.97/ea	
720570	B.C. Bloom	10 Liter	2	\$58.40/ea	
720575	B.C. Bloom	20 Liter	1	\$91.99/ea	

Code#	Description	Size	Cs Qty	MSRP	B.C. GROW 1-3-6
720580	B.C. Grow	1 Liter	12	\$12.97/ea	
720585	B.C. Grow	4 Liter	4	\$25.97/ea	
720590	B.C. Grow	10 Liter	2	\$58.40/ea	
720595	B.C. Grow	20 Liter	1	\$91.99/ea	

Code#	Description	Cs Qty	MSRP	RECIPE FOR SUCCESS STARTER KIT
720600	Recipe for Success Starter Kit	10	\$19.73/ea	

This kit contains everything you need to get started on a Technaflora program. Contains B.C. Boost, Bloom, Grow, Thrive Alive™ Green & Red, Awesome Blossoms™ and Rooting Cloning Gel™.

Code#	Description	Size	Cs Qty	MSRP	NEW! MAGICAL 2-0-0
716453	MagiCal	1 Liter	12	\$11.95/ea	
716455	MagiCal	4 Liter	4	\$41.95/ea	

MagiCal 2-0-0 is a highly enriched formulated blend of Magnesium and Calcium that promotes vigorous and healthy plant growth for both soil and soilless gardens. Incorporate in your regular feeding program. MagiCal improves the nutritional quality of plants while reducing leaf chlorosis and deficiency related disorders such as blossom end rot, stem rot and tip burn. Improves density of fruit and production of essential oils. Highly soluble—works in conjunction with any nutrient.

NUTRIENTS & SUPPLEMENTS



THRIVE ALIVE™ B-1 GREEN & THRIVE ALIVE™ B-1 RED

Thrive Alive™ is a power packed preventative and restorative general-purpose plant tonic. It stimulates rapid and lush vegetative growth, and will ensure the success of floral crops by promoting profuse flowering during blossoming. Its professionally balanced formulation contains vitamins and nutrients, which are cultured in premium sea kelp. Thrive Alive™ is safe and easy to use for both hydroponic and soil applications (1/2 tbsp/G; 2-3 ml/L), facilitating vigorous and healthy root development for both cuttings and established root systems, while protecting your plants from transplant-related shock.

THRIVE ALIVE™ B-1 RED



Code#	Description	Size	Cs Qty	MSRP
720605	Thrive Alive™ Red	250 ml	12	\$12.99/ea
720610	Thrive Alive™ Red	500 ml	12	\$22.00/ea
720615	Thrive Alive™ Red	1 Liter	12	\$31.99/ea
720620	Thrive Alive™ Red	4 Liter	4	\$97.99/ea

THRIVE ALIVE™ B-1 GREEN



Code#	Description	Size	Cs Qty	MSRP
720630	Thrive Alive™ Green	250 ml	12	\$12.97/ea
720635	Thrive Alive™ Green	500 ml	12	\$23.35/ea
720640	Thrive Alive™ Green	1 Liter	12	\$35.00/ea
720645	Thrive Alive™ Green	4 Liter	4	\$107.95/ea

AWESOME BLOSSOMS™ 2 - 11 - 11



Awesome Blossoms™ is a scientifically blended superior flower stimulant designed to nurture prolific and bold

blooms in all your flowering plants. This ultra-fertilizing tincture of super phosphates is formulated with macro and micro elements, stimulating dense, vigorous flowering. Awesome Blossoms™ fosters explosive flower growth, promoting heavier blooms at multiple budding sites. For use in both soil and soilless systems. It can be applied from the watering can, or mixed directly into hydroponic reservoirs.

Code#	Description	Size	Cs Qty	MSRP
720655	Awesome Blossoms™	500 ml	12	\$13.25/ea
720660	Awesome Blossoms™	1 Liter	12	\$25.95/ea
720665	Awesome Blossoms™	4 Liter	4	\$77.95/ea
720670	Awesome Blossoms™	10 Liter	2	\$168.95/ea

LIQUID HUMUS



ORGANIC

Liquid Humus is an unsurpassed natural & organic source of concentrated essential nutrients, vitamins and trace elements. Technical humic acids aid plants to best utilize the vitamin & nutrient benefits of a complete feeding program. Technaflora's concentrated Liquid Humus is a 100% organic solution of 15% technical humic acids extracted as salts from a soft coal called Leonardite. Humic acids are able to chelate metals, notably iron, facilitating easier absorption by plants. Excellent for use in hydroponic or soil environments.

Code#	Description	Size	Cs Qty	MSRP
720675	Liquid Humus	1 Liter	12	\$29.95/ea

SOLUBLE SEAWEED EXTRACT 1 - 1 - 16



ORGANIC

Soluble Seaweed Extract is a concentrated, comprehensive gardener's tool in powder form. The concentrate is made from 100% pure, organic Norwegian kelp harvested on the Atlantic coast of Canada. This highest-quality kelp is a rich natural source of over 60 chelated nutrients, vitamins, amino acids and hormones that stimulate plant growth, and has been celebrated for its natural fertilizing properties for centuries. Enhanced seed germination, promotion of a healthy root system, and rapid stem & shoot development are among the recognized benefits of using this kelp extract.

Code#	Description	Size	Cs Qty	MSRP
720680	Seaweed Extract	225 g	12	\$15.59/ea

B. SEAWEED 0.1 - 0.5 - 1.0



ORGANIC

B. Seaweed is an optimal growth stimulant for all your plants. Technaflora's exceptional liquid extract is made from 100% pure, organic British Columbia kelp. Sea kelp is the source of more than 60 nutrients, vitamins, and hormones that support and strengthen hearty, thriving plants. In addition, sea kelp aids in the absorption of nutrients from the soil. B. Seaweed is ultra-concentrated, and must be diluted with water for use in irrigation solutions or as a foliar spray. Ideal as an additive for organic tea mixtures, versatile B. Seaweed is also a superior soil tonic, and can be added to the hydroponic reservoir with confidence.

Code#	Description	Size	Cs Qty	MSRP
720685	B. Seaweed	1 Liter	12	\$29.95/ea



TECHNAFLORA PLANT PRODUCTS LTD.

RECIPE FOR U.S. SUCCESS

For further advice please call toll free:
1 800 586-1211
or see the "Ask Woody" section of
www.technaflora.com



Cutting Stage

Pre-soak the medium (soil, peat pellets, rookwool cubes, etc.) with a solution of **Thrive Alive B1 Red**. Immerse the cutting into **Rootech Cloning Gel** for a few seconds and then insert into medium.

Cloning Formula

DIP each cutting:

MIX per gal of water: 11.35ml \approx 2 1/4 Tsp **Rootech Cloning Gel**

Thrive Alive B1 Red

During the next seven days, while the cuttings develop roots, spray the foliage with **Thrive Alive B1 Green**. Ensure that the medium is kept damp with warm water during this period.

Foliar Spray

MIX per gal of water: 11.35ml \approx 2 1/4 Tsp **Thrive Alive B1 Green**

Common Unit Conversions

1 teaspoon = 5ml
1 tablespoon = 15ml
1 fluid ounce = 30ml
1 cup = 236ml
1 quart = 946ml
1 US gallon = 3.785 litres



Vegetative Stage

Once the cuttings have established root systems, they are ready to begin vegetative growth on an 18-hour light cycle. A low PPM solution of **BC Boost**, **BC Grow** and **Thrive Alive B1 Red** is recommended during the first weeks of vegetative growth to protect the plants from shock.

Vegetative Formula 1

MIX per gal of water: 15.14ml \approx 1 Tbsp **BC Boost**

(PPM \approx 800) 7.57ml \approx 1/2 Tbsp **BC Grow**

11.35ml \approx 2 1/4 Tsp **Thrive Alive B1 Red**

A couple of weeks into the vegetative growth stage, promote vigorous root, stem and shoot growth with a stronger PPM solution of **BC Boost**, **BC Grow** and **Thrive Alive B1 Red**.

Vegetative Formula 2

MIX per gal of water: 26.5ml \approx 1 3/4 Tbsp **BC Boost**

(PPM \approx 1300) 13.25ml \approx 2 1/2 Tsp **BC Grow**

11.35ml \approx 2 1/4 Tsp **Thrive Alive B1 Red**

Always add
BC Boost
First

Throughout the vegetative stage, spray the plants weekly with a fine mist of **Thrive Alive Green**; plants respond quickly to nutrients that are applied directly to the photosynthetic area of the plant. For best results, spray the foliage in the dark to prevent leaf burn.

Foliar Spray

MIX per gal of water: 11.35ml \approx 2 1/4 Tsp **Thrive Alive B1 Green**



Flowering Stage

On a 12-hour light cycle, plants begin to flower. Use **BC Boost** and **BC Bloom** throughout this stage to promote rapid, healthy flowering.

Week 1 and 2

Thrive Alive B1 Red is recommended during the first two weeks of flowering to protect the plants from shock related to changes in the light cycle.

Flowering Formula 1

MIX per gal of water: 22.71ml \approx 1 1/2 Tbsp **BC Boost**

(PPM \approx 1575) 22.71ml \approx 1 1/2 Tbsp **BC Bloom**

7.57ml \approx 1/2 Tbsp **Thrive Alive B1 Red**

Week 3 and 4

Once the flowers are well established, add **Awesome Blossoms** to achieve maximum flowering density.

Flowering Formula 2

MIX per gal of water: 22.71ml \approx 1 1/2 Tbsp **BC Boost**

(PPM \approx 1700) 22.71ml \approx 1 1/2 Tbsp **BC Bloom**

7.57ml \approx 1/2 Tbsp **Awesome Blossoms**

3.78ml \approx 3/4 Tsp **Thrive Alive B1 Red**

Always add
BC Boost
First

Week 5, 6 and 7

Increase the PPM of the solution in the later stages of flowering, when healthy plants will be able to absorb higher concentrations of nutrients.

Flowering Formula 3

MIX per gal of water: 26.49ml \approx 1 3/4 Tbsp **BC Boost**

(PPM \approx 1900) 26.49ml \approx 1 3/4 Tbsp **BC Bloom**

7.57ml \approx 1/2 Tbsp **Awesome Blossoms**

3.78ml \approx 3/4 Tsp **Thrive Alive B1 Red**

Week 8

In the last week of flower, it is very important to flush the stored nutrients out of the plants by feeding them only water. When the plants use all of their stored nutrients, harvest quality will be improved, noticeably through better flavour and aroma. Providing large volumes of fresh water to the root system is the preferred method to flush the plants, (that's why it rains in autumn), it is not necessary to use any special agents. If using a system with a reservoir, empty the reservoir and refill with fresh water daily.

Ver 2.0

Note 1 : Product names, logos, and mixing ratios are all trademarks and copyright of Technaflora Plant Products Ltd. 2000

Note 2 : When using this recipe in soil applications, apply the full strength formulations every third irrigation of your growing medium. (eg. fertilizer, water, water, fertilizer, water, water)

www.technaflora.com

NUTRIENTS & SUPPLEMENTS

HYGROZYME™



Hygrozyme™ is a true breakthrough in enzyme based products that breaks

down old root mass to allow for and stimulate new growth. Manufactured in an entirely unique way, Hygrozyme™ offers growers a number of advantages over competing products. It is bacteria free meaning that it has a virtually unlimited shelf life and there is absolutely no risk of introducing living bacteria into your system. The other benefit that this provides is that because there are no bacteria, Hygrozyme™ is the first and only enzyme based product that is suitable for use with Oxy-Plus. OMRI listed (organic) and highly recommended.

Code#	Description	Size	Cs Qty	MSRP
718975	Hygrozyme™	500 ml	12	\$21.95/ea
718980	Hygrozyme™	1 liter	12	\$36.99/ea
718985	Hygrozyme™	4 liter	4	\$135.25/ea
718990	Hygrozyme™	10 liter	2	\$319.50/ea
718995	Hygrozyme™	20 liter	1	\$602.75/ea

SUPERTHRIVE™



SUPERthrive™ Add to fertilizer for growth! Unique normalizing vitamins - hormones (50). SUPERthrive™ World Champion activator, reviver, transplanter and grower. Super Concentrated! 1 Tablespoon per 15 Gallons!

- Great for everything green... indoor /outdoor plants, seedlings, bulbs, trees, lawns
- NON-Pesticide, NON-Polluting - 50 instant bioavailable normal pure complexes

Code#	Description	Size	Cs Qty	MSRP
732810	SUPERthrive™	2 oz.	24	\$6.95/ea
732815	SUPERthrive™	4 oz.	12	\$10.95/ea
732820	SUPERthrive™	Pint	12	\$34.95/ea
732823	SUPERthrive™	Quart	12	\$60.95/ea
732825	SUPERthrive™	Gallon	4	\$177.95/ea

MAXICROP® LIQUIFIED SEAWEED PLUS IRON 2% 0.1 - 0.0 - 1.0



- For acid loving indoor & outdoor plants
- Made from seaweed harvested from the perfect environs of the mineral rich waters of the Norwegian coastline

Code#	Description	Size	Cs Qty	MSRP
718610	Liquified Seaweed Plus Iron	Quart	12	\$8.95/ea
718615	Liquified Seaweed Plus Iron	Gallon	6	\$20.95/ea

MAXICROP® ORIGINAL LIQUIFIED SEAWEED



- For trees, flowers, lawns, fruits & vegetables
- Can be used for soaking seeds & bulbs before planting, ideal for houseplants, ideal for seedlings & cuttings
- Derived from seaweed

Code#	Description	Size	Cs Qty	MSRP
718600	Liquified Seaweed	Quart	12	\$8.95/ea
718605	Liquified Seaweed	Gallon	6	\$19.95/ea

MAXICROP® LIQUID FISH 5.0 - 1.0 - 1.0



- For trees, flowers, lawns, fruits & vegetables
- Natural product made from fresh Atlantic fish
- Can be used for cuttings & rootings, outdoor plants, foliar feed, lawns, compost enhancer

Code#	Description	Size	Cs Qty	MSRP
718620	Liquid Fish	Quart	12	\$7.95/ea
718625	Liquid Fish	Gallon	6	\$16.95/ea

MAXICROP® ORIGINAL SOLUBLE POWDER 1.0 - 0.0 - 4.0



- For trees, flowers, lawns, fruits & vegetables
- Natural product made from fresh Atlantic fish
- Can be used for cuttings & rootings, outdoor plants, foliar feed, lawns, compost enhancer

Code#	Description	Size	Cs Qty	MSRP
718595	Original Soluble Powder	10.7 oz.	12	\$14.95/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
720520	Dr. Node's	16 oz.	12	\$55.95/ea
720525	Dr. Node's	Quart	12	\$99.95/ea

DR. NODE'S – PLANT HEIGHT REGULATOR

Exclusive to NGW! Dr. Node's is a plant height regulator available to the hobby market that has been approved by the Environmental Protection Agency (EPA). This specially designed formula was developed by a team of leading chemists and horticulturists. One quart will treat up to 275 gallons of water. The unique formulation for the United States is emulsified to ensure consistent doses of the active ingredient and carriers. Dr. Node's provides your plants with amazing results that can be seen within days. Dr. Node's should be used in conjunction with your favorite nutrient. Use once your plants have reached the desired height. Vertical growth will stop almost immediately. Your plant will then direct its energy into developing the root system and increasing the size & number of flower sites. Finally, a safe and affordable growth regulator approved by the US government. This formula contains no secret or unsafe ingredients. This is the most advanced nutrient additive for today's advanced gardeners. Call to confirm Dr. Node's is registered for sale in your state.



Code#	Description	Size	Cs Qty	MSRP
732950	Super Charger™ - 12 capsules	.35 oz.	12	\$15.95/ea

SUPER CHARGER™

Super Charger™ is a vitamin packed supplement consisting of a complex amalgam of vitamins (A, B-complex, C, E), antioxidants, peptides, and trace minerals (selenium, zinc). The ingredients present within Super Charger™ aid in the production of ATP, a form of plant energy. Many ingredients within Super Charger™ act as co-enzymes, essential to the activation of many vital plant enzymes, having a positive effect on overall plant metabolism. Super Charger™ maximizes the effect of your favorite enzyme products. Super Charger™ also aids in guarding against the effects of environmental damage, resulting in more vigorous growth. Super Charger™ is a must for plants growing in extreme conditions!



Code#	Description	Size	Cs Qty	MSRP
732410	Dark Energy™	16 oz.	12	\$22.95/ea
732415	Dark Energy™	Quart	12	\$36.95/ea
732420	Dark Energy™	Gallon	4	\$124.95/ea

DARK ENERGY™ 2-0-0

Dark Energy™ is a select blend of L-amino acids, specifically chosen for each of their beneficial effects on plant growth. L-amino acids improve the absorption rate of your favorite fertilizers by chelating essential nutrients and making them more available to your plants. Dark Energy™ enhances the bloom stage of any plant by stimulating the natural production of ethylene, a flowering and ripening hormone. Trials have shown that an increase in ethylene concentration results in a reduced time to harvest and synchronized, even ripening. You will notice an increase in overall biomass and harvest quality through continued use of Dark Energy™.



Code#	Description	Size	Cs Qty	MSRP
732545	Supernova™	16 oz.	12	\$21.95/ea
732550	Supernova™	Quart	12	\$33.95/ea

SUPERNOVA™ NUTRIENT ADDITIVE 1-1-1

Recommended to use with
DARK ENERGY™

SuperNova™ is an Ascophyllum nodosum based nutrient additive, containing a wide range of macro and micro-nutrients, carbohydrates, amino acids, and vitamins. SuperNova™ has a high concentration of the plant hormone cytokinin, which promotes cell division, lateral growth, and stimulates chlorophyll synthesis. Cytokinin will cause the release of lateral buds from apical dominance, promoting bushier plants with an increase in flowering sites. SuperNova™ also contains specialized amino acids, betaines, which make plants more tolerant to high nutrient levels and drought. The wetting agent in SuperNova™ makes it perfect for use as a foliar spray!



Code#	Description	Size	Cs Qty	MSRP
719450	Heavy Weight	1 Liter	12	\$9.25/ea
719455	Heavy Weight	4 Liter	4	\$15.95/ea

HEAVY WEIGHT

A source of pure carbohydrates. Use to add size and maturity to flowering plants.



NUTRIENTS & SUPPLEMENTS



VITA GROW™ WATER CONDITIONER



Code#	Description	Size	Cs Qty	MSRP
732900	Water Conditioner	4 oz.	24	\$12.95/ea
732905	Water Conditioner	8 oz.	24	\$21.95/ea

The best product in the world for assuring faultless water application to plants. Vita Grow™ Water Conditioner conditions the water that is fed to plants so that the plants can grow to their full potential. It coats the plant food elements so that the elements on the plant food and soil have less chance to combine into unusable compounds.

VITA GROW™ THUNDER BLOOM



Code#	Description	Size	Cs Qty	MSRP
732912	Thunder Bloom	8 oz.	12	\$24.95/ea

Thunder Bloom is an aggressive bloom enhancing liquid foliar spray. It is derived from digested plant and rock material. Guaranteed to show results.

DYNA-GRO™ LIQUID GROW™ 7 - 9 - 5



Code#	Description	Size	Cs Qty	MSRP
719000	Liquid Grow™	Quart	12	\$13.25/ea
719005	Liquid Grow™	Gallon	4	\$38.75/ea
719007	Liquid Grow™	5 Gallon	1	\$184.95/ea

Liquid Grow™ is an all purpose complete nutrition formula used to promote both foliage and blooms. Ideal for poor, rocky soils, container grown plants and hydroponics. Excellent as a rapid cure for nutrient deficiencies. If you are looking for a single formula to use all of the time on all of your plants, this is the one.

DYNA-GRO™ LIQUID BLOOM™ 3 - 12 - 6



Code#	Description	Size	Cs Qty	MSRP
719010	Liquid Bloom™	Quart	12	\$13.25/ea
719015	Liquid Bloom™	Gallon	4	\$38.75/ea
719017	Liquid Bloom™	5 Gallon	1	\$184.95/ea

Liquid Bloom™ is a low nitrogen, high phosphorus complete nutrition formula specifically formulated to encourage the development of large vibrant blooms. It is ideal for roses, orchids, African violets and all other flowering plants. Liquid Bloom™ supplies a high ratio of nitrate to ammoniacal nitrogen needed to avoid stem elongation in flowering plants and vegetables. Apply Liquid Bloom™ before flower buds appear to help initiate flowering.

DYNA-GRO™ PRO-TEKT® 0 - 0 - 3



Code#	Description	Size	Cs Qty	MSRP
719025	Pro-Tekt®	Quart	12	\$11.25/ea
719030	Pro-Tekt®	Gallon	4	\$27.95/ea

Pro-Tekt® The Silicon Solution® a silicon supplement, supplies higher levels of potassium and silicon to build stronger plant cell walls, providing a Pro-Tekt-ive barrier against piercing-sucking insects and invading fungi. Pro-Tekt® reduces disease and insect problems, increase stem strength and leaf positioning, which improves photosynthesis. It also increases heat, drought and cold tolerance. Use as a supplement with any fertilizer to provide non-toxic preventative protection against fungal infections and insect infestations. Recommended for all plants.

DYNA-GRO™ K-L-N CONCENTRATE™



Code#	Description	Size	Cs Qty	MSRP
726530	K-L-N Concentrate™	8 oz.	12	\$10.95/ea
726535	K-L-N Concentrate™	Quart	12	\$30.95/ea

K-L-N Concentrate™ is a rooting solution containing both IBA and NAA hormones to promote vigorous root growth in trees, foliage and flowering plants. Use it for propagating cuttings, air layering and as a transplanting drench for newly potted plants. Drench, dip or mist your plants to simulate new root growth. Growers highly recommend K-L-N to increase production of cuttings.

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP
719940	Colossal Blossoms	1 Kg	12	\$29.95/ea
719945	Colossal Blossoms	2.5 Kg	1	\$69.95/ea

NEW LOWER PRICES

COLOSSAL BLOSSOMS 0 - 50 - 30

Colossal Blossoms is a specialty fertilizer formulated to increase flowering and dry weight of harvest. Colossal Blossoms ensures rapid development of fruits and flowers while increasing the quantity and quality of essential oils. It was specifically designed for use in the flowering phase of your plants life cycle. The formula contains a blend of super phosphates and is super concentrated at 1 tsp/5 gallons. Bilingual label (Spanish).



Code#	Description	Size	Cs Qty	MSRP
732000	Coco-Wet	8 oz.	24	\$5.95/ea

COCO-WET

Coco-Wet is an organic wetting agent formulated to maximize product absorption and coverage on all plant surfaces. Coco-Wet lowers the surface tension between plant leaves and the products being sprayed on them. This enables plants to get maximum absorption of everything that is sprayed on them. No more run-off, repelling effect or evaporation. The benefits of Coco-Wet:

- Maximum product absorption and coverage on all plant surfaces
- Non-chemical, natural formula - safe for people, plants, pets and the environment
- Compatible with ALL foliar sprays including Spray-N-Grow
- Minimized run-off and repelling effect
- Easy to use — simply mix with all your foliar sprays
- Reduced product evaporation
- Produces amazing results on ALL plants



Code#	Description	Size	Cs Qty	MSRP
719050	Spray-N-Grow	8 oz.	24	\$12.95/ea

SPRAY-N-GROW

Spray-N-Grow is not a fertilizer, hormone or nutrient solution. It is a micronutrient complex made of naturally occurring elements that are essential for plant growth. Spray-N-Grow provides your plants with essential micronutrients not provided by your nutrient solution.

- Non-chemical, natural formula - safe for people, plants, pet and the environment
- Easy to use - simply spray plants for results
- Produces amazing results on ALL plants
- Higher vitamin and mineral content
- Increased root mass
- Increased size by weight and diameter
- Increased yield
- Earlier blooming and harvest



Code#	Description	Size	Cs Qty	MSRP
719490	Synergy™	Quart	12	\$41.00/ea
719495	Synergy™	Gallon	4	\$156.00/ea

BIO-GENESIS™ SYNERGY™

A proprietary blend of fermented plant and seaweed extracts providing natural hormones, amino acids, betaines, humates, enzymes and a complex of metabolic precursors. Produces rapid cell division and exhibits dominant auxin like activity, stimulates bud break, enhances cell differentiation, and improved vascular development. Increases rate of photosynthesis and provides induced systemic resistance. If you try nothing else, this is the product that will really make a difference in your overall plant health and performance.

OMRI™
Listed



Code#	Description	Size	Cs Qty	MSRP
719470	High Tide™	Quart	12	\$22.00/ea
719475	High Tide™	Gallon	4	\$58.00/ea

BIO-GENESIS™ HIGH TIDE™ 0 - 0 - 4.5

Premium Organic Seaweed provides an excellent source of Potassium and naturally chelated micronutrients. Includes naturally occurring humic acid and other essential compounds. Builds immunity systems providing disease and stress resistance while stimulating root growth and enhancing plant, fruit and flower quality. This is very pure and effective seaweed product.

OMRI™
Listed



NUTRIENTS & SUPPLEMENTS

BIO-GENESIS™ MINERAL MATRIX™



Organic micronutrient supplement formulated to correct deficiencies for all organic crops, hydroponics systems, container plants and landscapes. Citric acid chelated for stability and availability and improved plant uptake. Safe & natural, non-phytotoxic formula. Highly effective as a foliar spray or watered in to soil, soilless or hydroponic root zone applications.

Code#	Description	Size	Cs Qty	MSRP
719480	Mineral Matrix™	Quart	12	\$15.00/ea
719485	Mineral Matrix™	Gallon	4	\$32.00/ea

LIQUID SAND™



Liquid Sand™ is an all natural potassium silicate supplement with a high silicon:potassium ratio and a lower pH than similar products on the market. This product is an excellent source of silicon for enhanced cell strength and plant growth. Liquid Sand™ is designed to improve plant resistance to environmental stress such as heat and/or drought, boost plant immune system, provide resistance to salt build-up and mineral toxicities, keep leaves erect for maximum light exposure resulting in increased photosynthesis and plant growth, prolong bloom and delay unwanted senescence (death), guard against insect and fungal attacks. Liquid Sand™ contains no undesirable components like sodium and is formulated with a completely soluble, clean form of silicon. When used as part of a complete nutritional program, this crop management tool will improve quality and yield.

Code#	Description	Size	Cs Qty	MSRP
719460	Liquid Sand™	Quart	12	\$9.95/ea
719461	Liquid Sand™	Gallon	4	\$27.95/ea

GRAVITY 0-2-0



Our uniquely prepared kelp extract and phosphorus based additive will harden your flowers from the top to the bottom. A little goes a long way. Use once or twice about 3 weeks before the end of a plants cycle. Adds size and weight to flowering plants.

Code#	Description	Size	Cs Qty	MSRP
719965	Gravity	8 oz.	12	\$26.95/ea
719970	Gravity	Quart	12	\$49.95/ea
719975	Gravity	Gallon	4	\$149.95/ea

BUSHMASTER



Our proprietary recipe will speed up the transition to bloom while decreasing internode spacing resulting in tighter flower clusters and bushier compact plants. Works well in soil, hydro or as a foliar. A must have for omega gardeners or vertical growing systems.

Code#	Description	Size	Cs Qty	MSRP
719980	Bushmaster	4 oz.	12	\$19.95/ea
719985	Bushmaster	8 oz.	12	\$34.95/ea
719990	Bushmaster	Quart	12	\$99.95/ea
719995	Bushmaster	Gallon	4	\$299.00/ea

PURPLE MAXX

NEW!



No dyes, no tricks, 100% organic! Works well in soil or hydro, indoors or out. Purple Maxx is a combination of organic compounds that not only encourage plants to "stack" their flowering sites closer together during early flower development, but also stimulate increased development later.

Code#	Description	Size	Cs Qty	MSRP
719905	Purple Maxx	8 oz.	12	\$29.95/ea
719910	Purple Maxx	Quart	12	\$84.95/ea
719915	Purple Maxx	Gallon	4	\$249.95/ea

NUTRIENTS & SUPPLEMENTS

Code#	Description	Size	Cs Qty	MSRP	NEW!	BLOSSOM-BLOOD™
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719090 Blossom-Blood™ 20 g/7 oz. 10 \$16.95/ea

Blossom-Blood™ has earned the reputation as a premium floral product. The addition of Blossom-Blood™ to a nutrient reservoir during the flowering stage of a plant will promote fuller buds and flowers utilizing selective pH control.

Developed for stabilization and floral production in hydroponic applications, Blossom-Blood™ may also be used in soilless growing mediums. Blossom-Blood™ is a specific type of pH buffer salt. It is not a plant food. It is compatible with all quality nutrients & soilless growing mixes.



Code#	Description	Size	Cs Qty	MSRP	BN SOIL SUPERMIX™ 5 - 1 - 5
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719800 BN Soil Supermix™ 1 Liter 20 \$13.50/ea

719805 BN Soil Supermix™ 5 Liter 4 \$52.95/ea

719810 BN Soil Supermix™ (Special Order) 20 Liter 1 \$205.95/ea

This fertilizer consists of: macro elements, chelated micro elements and organic components. All of these elements are of

the highest quality and purity. Therefore, this fertilizer is absorbed directly, and a low EC will suffice. Furthermore, the organic components work as a good buffer. BN SOIL Supermix™ enhances an optimal soil condition, actively assists root development and provides as a complete fertilizer. Since BN SOIL Supermix™ is partially organic, this fertilizer cannot be applied by means of a dripping system (organic substances contain a great number of coarse particles).



Code#	Description	Size	Cs Qty	MSRP	BN HYDRO SUPERMIX™ 5 - 2 - 3
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719815 BN Hydro Supermix™ 1 Liter 20 \$13.50/ea

719820 BN Hydro Supermix™ 5 Liter 4 \$52.95/ea

719825 BN Hydro Supermix™ (Special Order) 20 Liter 1 \$205.95/ea

BN Hydro Supermix™ is a one component mineral fertilizer especially developed for systems with artificial substrates such as rock wool, polyurethane slabs and perlite. Nutrients for growing are combined within one product, which makes cultivating very easy. In bloom, the addition of Bio Nova™ PK 0-13-14 provides the increase in phosphorus and potassium required for best results. All of the elements are free of any profuse ingredients. Therefore, this fertilizer is absorbed directly, and a low PPM will suffice.



Code#	Description	Size	Cs Qty	MSRP	BN NOVA ROOTS™ 0 - 0 - 1
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719830 BN Nova Roots™ 250 ml 20 \$20.50/ea

719835 BN Nova Roots™ 1 Liter 20 \$70.95/ea

719840 BN Nova Roots™ (Special Order) 5 Liter 4 \$322.95/ea

A great number of extensive research on root development and reinforcement done over a period of several years, show that the use of NOVA ROOTS™ leads to a larger root activity and therefore also a higher yield of all of the tested crops. NOVA ROOTS™ can be applied on the leaf as well as in the medium used for cultivating. NOVA ROOTS™ is mixable with all fertilizers and care products.



Code#	Description	Size	Cs Qty	MSRP	BN P-K 13 + 14™ 0 - 13 - 14
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719845 BN P-K 13 + 14™ 250 ml 20 \$5.75/ea

719850 BN P-K 13 + 14™ 1 Liter 20 \$11.95/ea

719855 BN P-K 13 + 14™ 5 Liter 4 \$55.50/ea

719860 BN P-K 13 + 14™ (Special Order) 20 Liter 1 \$210.95/ea

Phosphor makes for the development of a healthy, extensive root system and an exuberant flowering. Potassium prompts the so-called flowering potency. The combination of these two components is in a form that can be rightfully called a Superbloomer. Therefore, this is an essential component for every cultivation.



Code#	Description	Size	Cs Qty	MSRP	BN VITRASOL™ 0 - 0 - 6
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719865 BN Vitrasol™ 1 Liter 20 \$12.95/ea

Vitrasol™ is a liquid organic soil-improver based on potassium (6 %). Its organic origin facilitates the absorption of Vitrasol™ by the crop. Furthermore, it is extremely suitable as a converter of available nutrients. Especially in periods of high production and rapid growth (in case of artificially lighted crops) or in case of a stagnation in growth caused by a deficiency of nutrients, the use of Vitrasol™ has proved to be very effective. This product is absorbed by both roots and leaves, which practically rules out burning of the plant.





BN Soil Mix

Mineral Organic Fertilizer

BN Soil Supermix is a one component mineral-organic fertilizer based on BN Hydro Supermix and is especially adapted to systems with soil. Fertilize weekly, ph between 6 and 6.5



bnferts.ca

	Soil Supermix	BN P-K 0-13-14	BN-Zym	Vitrasol 0-0-6	BN NovaRoots
Root Forming 350 ppm	2.5 ml/L 2 tsp/gal				10ml/L 2tsp/quart ONCE
Veg Fast Grow 700 ppm	5 ml/L 4 tsp/gal		.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal optional	5 ml/L 4 tsp/gal Foliar Weekly

Early Bloom 750 ppm	5 ml/L 4 tsp/gal	.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal optional	
Bloom 950 ppm	6 ml/L 5 tsp/gal	1 ml/L 1 tsp/gal	.5 ml/L 1/2 tsp/gal	1 ml/L 1 tsp/gal optional	
Final Week 200 ppm				1 ml/L 1 tsp/gal	

Recommendation only, adjust to system requirements.

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BN Hydro Mix

Mineral Substrate Fertilizer

BN Hydro Supermix is a one component mineral fertilizer especially developed for systems with artificial substrates such as rockwool, polyurethane slabs etc. Maintain ph of 5.5 to 6.4



bnferts.ca

	Hydro Supermix	BN P-K 0-13-14	BN-Zym	Vitrasol 0-0-6	BN NovaRoots
Root Forming 400 ppm	2.5 ml/L 2 tsp/gal				1 ml/L 1 tsp/gal Continuously
Veg Fast Grow 750 ppm	5 ml/L 4 tsp/gal		.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal optional	5 ml/L 4 tsp/gal Foliar Weekly

Early Bloom 750 ppm	5 ml/L 4 tsp/gal	.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal	.5 ml/L 1/2 tsp/gal optional	
Bloom 1000 ppm	6 ml/L 5 tsp/gal	1 ml/L 1 tsp/gal	.5 ml/L 1/2 tsp/gal	1 ml/L 1 tsp/gal optional	
Final Week 200 ppm				1 ml/L 1 tsp/gal	

Recommendation only, adjust to system requirements.

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