



High-performance nutrition for high-value crops.

APTUS

Repeatable. Predictable. Reliable.



aptus.us

**LESS BOTTLES.
MORE STABILITY.**



THE CLEAN PROGRAM

[PAGE 4 >>](#)

This program is the easiest, most concentrated, low cost program on the market. The pH stability is so reliable you can mix and set your reservoir on a given day and it will read exactly the same (+/- 0.05) seven days later with no adjustment in between.

**PREMIUM QUALITY.
SUPERIOR FLAVOR.**



THE PREMIUM PROGRAM

[PAGE 5 >>](#)

This program is the absolute gold standard of quality, flavor, oil production and shelf life. This is the program for the grower looking to produce the absolute best flower they can or any extraction artist looking to increase the quality, color and yield of their extracts.



FASILITOR

[PAGE 6 >>](#)

Often imitated, never duplicated, FASILITOR is the original premium silica product bringing exceptional value and results to your garden. FASILITOR promotes thick stalks, solid branches, and resistance to stress factors in your plants.



MASSBOOST

[PAGE 8 >>](#)

MASSBOOST is a concentrated calcium and magnesium supplement designed to stimulate vigorous growth in the vegetative phase along with powerful fruit set in the flowering phase. It's best used in soil, coco, and peat drain to waste applications.



STARTBOOST

[PAGE 10 >>](#)

STARTBOOST is the foundational vegetative additive in the APTUS lineup. Derived from humic acid, STARTBOOST can be used through the entire vegetative phase. Use as a root drench, foliar spray, seed starter and root dip.



ECOZEN

[PAGE 12 >>](#)

ECOZEN helps relieve the effects of overfertilization by cleaning junk salts out of the planting medium. As the medium is cleansed, ECOZEN leaves behind trace amounts of necessary nitrogen and potassium for continued healthy growth.



BLOOMBOOST

[PAGE 14 >>](#)

BLOOMBOOST is used throughout the entirety of the fruiting and flowering phase. It contains a blend of plant available elements that work together to increase flower size, fiber mass, and quality.



PEAKBOOST

[PAGE 16 >>](#)

PEAKBOOST is an ultra-concentrated, fast acting phosphorus booster that initiates flower site development and is used in the early to middle flowering phases of growth.



FINALEBOOST

[PAGE 18 >>](#)

FINALEBOOST is the sibling to PEAKBOOST providing dedicated potassium supplementation during the flowering phase of growth. Used as a finisher, FINALEBOOST promotes great overall size, density, and aroma in fruits and flowers.



BASE

[PAGE 20 >>](#)

BASE is a concentrated NPK nutrient used during the entirety of the vegetative and flowering phases of growth. Enjoy a formula free of ballast salts allowing for a cleaner and more responsive BASE nutrient.



MINERAL-CALMAG

[PAGE 22 >>](#)

MINERAL-CALMAG is an ultra clean, pH stable, and highly soluble calcium & magnesium supplement. It is best used versus MASSBOOST in clean recirculating or hydronic applications.



SYSTEM-CLEAN

[PAGE 24 >>](#)

SYSTEM-CLEAN is a hypochlorous acid based cleaner concentrate. It's ideal for cleaning all cultivation surfaces, planting substrates, and preventing scale in irrigation components.



BREAKOUT POWDER

[PAGE 26 >>](#)

BREAKOUT POWDER is an ultra-clean, pH stable, commercially viable PK booster that's compatible with every cultivation system and substrate.



BASEBOOST

[PAGE 28 >>](#)

BASEBOOST is a time-release pellet fertilizer that incorporates many of the best APTUS technologies into one easy to use product. Simply add 15 grams per gallon of soil and water in for great results.

LESS BOTTLES. MORE STABILITY.

APTUS
CLEAN
PROGRAM



THE CLEAN PROGRAM

This feed program will last 14 days in a reservoir or DWC system and will not cause any salt or biofilm build-up in irrigation/fertigation systems.

With only 4 bottles and 1 powder (5 bottles if you're using FASILITOR) used through both Veg and Flower, the CLEAN PROGRAM is simply the best all-round program for low cost, high-value, modern cultivation.

The pH stability is so reliable you can mix and set your reservoir on a given day and it will read exactly the same (+- 0.05) seven days later with no adjustment in between.

SUBSTRATE TYPES

Coco coir, coco blends, perlite, vermiculite, hydroton, rockwool, stonewool, water, soil

SUITED FOR

Drain-to-waste, recirculating, DWC, ebb-and-flow, NFT, aeroponics

Note: Recirculating and DWC systems need to be topped up to maintain pH stability & nutrient density

DOWNLOAD CLEAN PROGRAM

IMPERIAL PROGRAM

METRIC PROGRAM

Over a period of 24 months we developed, tested and refined what we've named our CLEAN PROGRAM. A predominately mineral feed schedule, this ultra-clean, pH stable program is not only suitable for every single cultivator and every single substrate, it's also one of the cheapest and simplest programs on the market.

APTUS
PREMIUM
PROGRAM



PREMIUM QUALITY. SUPERIOR FLAVOR.

THE PREMIUM PROGRAM

This feed program is best suited for run-to-waste systems but can also be used in recirculating coco and perlite systems. It's recommended to mix fresh feed daily, bi-daily or every 3 days at a maximum to reduce the build-up of biofilm in reservoirs and irrigation systems.

This program should not be used in DWC, NFT or aeroponic systems. Cultivators running these systems and substrates should follow our CLEAN Program.

SUBSTRATE TYPES

Coco coir, coco blends, rockwool, perlite, peat, soil

SUITED FOR

Drain-to-waste, recirculating



DOWNLOAD PREMIUM PROGRAM

IMPERIAL PROGRAM

METRIC PROGRAM

This program is the absolute gold standard of quality, flavor, oil production and shelf life.

For the grower looking to produce the absolute best flower they can or any extraction artist looking to increase the quality, color & yield of their extracts, this is the program to follow.

FASiLITOR

PREMIUM SILICA BOOSTER

Add FASiLITOR to the water in your reservoir first before any other products. Failure to do so will result in a loss of FASiLITOR's benefits.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	0.15 ml per 1L	0.5 ml per 1 gallon
Anti-stretch flowering	0.3 ml per 1L	1 ml per 1 gallon
Foliar spray	1 ml per 1L	4 ml per 1 gallon

PROGRAMS



ABOUT

As the flagship of the APTUS product lineup, FASiLITOR combines GMP certified manufacturing and industry leading concentration into a pure, fast acting, and exclusive formula.

FASiLITOR provides plant-available silica to and as needed across the vegetative, flowering, and fruiting phases of plant growth. Supplementing with plant available silica such as FASiLITOR helps to grow thicker cell walls within your plants. Benefits include promoting upright stature, solid stems & branches, and resistance to high temperature environments by reducing transpiration or loss of water due to evaporation.

EDUCATION

FASiLITOR's formula also contains molybdenum, an essential component of enzymatic processes within the plant that convert nitrates into compounds used to manufacture amino acids, convert inorganic phosphorus into organic forms within the plant and is also crucial to bacteria that fix atmospheric nitrogen into your soil.

WHY USE FASiLITOR?

- Industry leading concentration of just 0.5ml per gallon!
- Resistance against abiotic stress (environmental: temperature, wind, drought).
- Reduces transpiration (loss of moisture from the leaves) by forming thick cell walls which are made primarily of silica and calcium.

KEY INGREDIENTS

Silicon *Strengthens cell walls, increases resistance to drought, promotes upright stature of plant growth.*

Boron *Precursor to cell wall formation, translocator of plant energy (sugars), beneficial agent for flower and fruit formation.*

Molybdenum *Creator of crucial beneficial plant enzymes, synthesizer of organic phosphorus, and crucial to atmospheric nitrogen fixing bacteria in the soil.*

TIPS FROM THE FIELD

Do not contaminate FASiLITOR with measuring instruments. Pour FASiLITOR into container of choice for measuring.

Always ensure you add FASiLITOR to your water before everything else including cal-mag supplements.

Combine with BLOOMBOOST for a great bloom phase foliar spray for the first 2-3 weeks of flower.

FASiLITOR is very effective as a foliar spray through veg and the first 2-3 weeks of flower. It's also great at preventing powdery mildew.



MASSBOOST

CALCIUM / MAGNESIUM AND BOOSTER

When mixing with any phosphorus supplements (PEAKBOOST or mineral fertilizers), be sure to allow one to mix into solution before adding the other.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Clones & seedlings	0.25 ml per 1L	1 ml per 1 gallon
Regular feeding (vegetative)	0.25 – 0.33 ml per 1L	1 - 1.5 ml per 1 gallon
Regular feeding (flowering)	0.25 – 0.5 ml per 1L	1 - 2 ml per 1 gallon
Foliar spray (maintenance)	2 ml per 1L	8 ml per 1 gallon
Foliar spray (repair)	4 ml per 1L	16 ml per 1 gallon

PROGRAMS



ABOUT

MASSBOOST prevents calcium and magnesium deficiencies while stimulating powerful fruit set and development. Calcium and magnesium are just as important as the macro elements nitrogen (N), phosphorus (P), and potassium (K) you see on the front of every fertilizer label. BASE grow and bloom NPK fertilizers only include small amounts of calcium and magnesium, which in high intensity growing environments can quickly be consumed by your plants. MASSBOOST fixes this problem of under-supply by providing large amounts of plant available calcium and magnesium.

MASSBOOST is best used in soil, coco, or peat drain to waste applications. If you need a calcium & magnesium supplement for use in clean recirculating or fertigation applications, use MINERAL-CALMAG.

EDUCATION

Calcium along with the silica in FASILITOR largely comprises the structure of the plant cell wall which gives the plant its physical shape. An uninterrupted supply of calcium contributes to healthy flowers and leaves, strong stems and continued formation of healthy plant tissue. Calcium's impact on plant health can be seen by preventing blossom end rot, underdeveloped flowers and a lack of necrosis on plant tissue.

As the plants undergo cell division forming new tissue, the increased supply of magnesium allows for continued production of chlorophyll in the leaves. Magnesium is the central element to chlorophyll which is crucial to the process of photosynthesis enabling the plant to turn sunlight into usable forms of energy.

WHY USE MASSBOOST?

- Highly available, 100% water soluble and leaves no residue behind.
- Provides calcium which improves firmness and structure of fruits during the flowering phase of growth.
- Provides magnesium which is the central element to chlorophyll allowing photosynthesis to occur.

KEY INGREDIENTS

Calcium Integral structural element to plant cell walls and thus overall physical plant structure.

Magnesium Element central to the formation of chlorophyll and thus essential for photosynthesis to occur.

TIPS FROM THE FIELD

MASSBOOST is the calmag of choice for indoor and outdoor farmers growing in soil, coco or peat.

Used as both a root drench and or foliar feed, indoor, outdoor and greenhouse cultivators will add MASSBOOST to their foliar regime for the last week of veg and first 2 weeks of flower to increase growth and prevent calmag deficiencies in hungry cultivars.

STARTBOOST

HUMIC ACID SOIL CONDITIONER

Add STARTBOOST to your reservoir every feeding during the entire vegetative phase and into the first week of flower to assist with a healthy transition to the bloom cycle.

If you're starting new seeds or clones, soak your plugs in a solution of STARTBOOST and water at the rate of 4 ml per gallon. If using rockwool plugs, make sure to pH the solution according to the manufacturer's instructions.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	0.25 ml per 1L	1 ml per 1 gallon
Seedlings/clones	1 ml per 1L	4 ml per 1 gallon
Transplant root dip	10 ml per 1L	40 ml per 1 gallon
Foliar spray	1 ml per 1L	4 ml per 1 gallon

PROGRAMS



ABOUT

STARTBOOST along with FASILITOR is a foundation product used throughout the seed starting, cloning, vegetative, and early flowering stages of growth.

The leonardite used to make STARTBOOST is of the highest quality available. Leonardite is a mined natural source of humic material found within the earth.

EDUCATION

Humic substances have a positive effect on plant physiology by influencing nutrient uptake and root system interactions with the planting medium.

Through interactions with various compounds in the soil, countless complexes are formed from organic and mineral components. From the formation of these complexes, compounds may dissolve, mobilize, and transport products throughout the medium. It is these sets of complex-interactions with humic substances that provide soil health, structure, and ultimately benefit to the plant growing above.

WHY USE STARTBOOST?

- Economical and easy to use. Use STARTBOOST at 1 ml per gallon through the vegetative phase of growth.
- Natural chelator of materials present in the planting medium.

KEY INGREDIENTS

Humic Acid Building block of soil structure and health, natural chelator of various elements in the planting medium.

TIPS FROM THE FIELD

Begin feeding with STARTBOOST (plus FASILITOR) as soon as your plants develop initial roots and leaves. Continue feeding throughout the entire vegetative phase.

Use at 4 ml per gallon to pre-soak cloning plugs or starter plant growth mediums.

During transplanting, dip the roots of the plants directly in a 1:100 mixture (40 ml per gallon).

You can safely go up to 4 ml per 1 gallon during the vegetative phase for an enhanced effect.

Professional cultivators running the CLEAN Program often add STARTBOOST as a once per week feed to stimulate plant health and root growth.

ECOZEN

GROWTH ENHANCER

Add ECOZEN to your nutrient mixture every feeding during all stages of plant growth to keep the medium clean and healthy. Alternatively, ECOZEN can be used once per week at double strength (2ml per 1 gallon).

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
With every feeding	0.25 ml per 1L	1 ml per 1 gallon
Once weekly application	0.5 ml per 1L	2 ml per 1 gallon

PROGRAMS



ABOUT

Modern cultivation methods utilize increasingly large amounts of fertilizer salts in confined volumes of planting medium or soil. The effects of over fertilization are many but most often are made obvious in modern cultivation methods by displaying halted development, mineral deficiencies, leaf tip burn and poor tasting end product.

ECOZEN allows you as a grower to better manage the performance of your planting medium by reducing salt build-up. Weekly or daily use of ECOZEN helps clear out excess junk salts in the planting medium, reducing over fertilization which results in a more flavorful end product.

EDUCATION

In modern indoor cultivation environments, salt based fertilizers are used seemingly in ever increasing amounts in mediums that have a relatively small, defined volume. This combination results in the build-up of salt in the growing medium that prevents required soil processes from functioning optimally.

With excess salt present, the plants' roots become less efficient at absorbing necessary nutrients. Although these minerals might be present with the large excesses of fertilizer salts present, the action of water moving these specific needed elements from a source of higher concentration (planting medium) to an area of lower concentration (plant) becomes unreliable resulting in what you see as mineral deficiencies. In the age of modern liquid fertilizers, it is extremely rare to have a true singular micro or macro-element deficiency.

WHY USE ECOZEN?

- Watering with just ECOZEN and water reduces salt buildup in the planting medium.
- Flush the majority of excess fertilizer elements out while leaving small amounts of necessary nitrogen and potassium.
- Regular (weekly) use can reduce the amount of time required to flush your plants at the end of their flowering cycle.

KEY INGREDIENTS

Potassium *Activates enzyme catalysts involved with plant growth.*

Nitrogen *Vital component of amino acids which are building blocks of plant proteins.*

TIPS FROM THE FIELD

Use ECOZEN at least once per week to keep the root area clean and nutrient assimilation optimized.



BLOOMBOOST

BLOOM BOOSTER AND QUALITY ENHANCER

Add BLOOMBOOST to your reservoir every feeding from the second week of the flowering stage until harvest. BLOOMBOOST can be continued until harvest with no negative affect on quality and flavor.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	0.2 ml - 0.5 ml per 1L	1 - 2 ml per 1 gallon
Foliar spray	1 ml per 1L	4 ml per 1 gallon

PROGRAMS



ABOUT

APTUS BLOOMBOOST is an additive used throughout the entirety of the fruiting and flowering periods of a plant's lifespan. BLOOMBOOST contains a blend of plant available elements including potassium, sulfur, and boron that work together to increase fruit/flower size, fiber mass and quality. APTUS has designed this product to provide these three elements in precise amounts at desired times during the plants' reproductive cycles to maximize harvests.

BLOOMBOOST is an excellent all-in-one health additive for your plants during their reproductive phase of growth. Using BLOOMBOOST throughout the fruiting and flowering phases of growth allows for increased flower setting, larger harvests, and heightened aroma in some species of plants.

EDUCATION

Potassium provided by BLOOMBOOST works to form healthy, fibrous fruits and flowers.

Sulfur is a crucial component in the formation of proteins, certain plant hormones, and aids in the formation of certain oils and volatile compounds. The supplemental sulfur works to bring out the aromatic characteristics of your plants early to develop even higher by harvest time.

The last element in BLOOMBOOST, boron works to preserve the integrity of various membranes within the plant which allows for continued structural integrity as your plants mature.

WHY USE BLOOMBOOST?

- One product contains multiple minerals beneficial for fruit & flower development with a low dilution ratio.
- Contains elements crucial to the formation of certain oils and volatile compounds within plants.
- Assists in the development of a healthy reproductive system within the plant. This includes healthy flower setting as well as pollen and seed formation for breeders.

KEY INGREDIENTS

Boron Agent allows healthy cell wall synthesis and cell division.

Sulfur Component of essential amino acids, aromatic characteristic promotant.

Potassium Thickener of fruit and flower structures.

TIPS FROM THE FIELD

BLOOMBOOST may be used at a higher dilution ratio (up to 2ml per gallon) for an increased result in quality.

Professional cultivators running the CLEAN Program often add BLOOMBOOST as a once per week feed to stimulate flower growth and oil production.

PEAKBOOST

PHOSPHORUS BOOSTER

Add PEAKBOOST to your reservoir every feeding from the first week to the fourth week of the flowering stage. It is okay to extend or shorten the usage of PEAKBOOST based upon the total flowering time of your specific plant or by the preferences of each individual cultivar.

When mixing with any calcium supplements (like MASSBOOST or MINERAL-CALMAG), be sure to allow one to mix in the solution before adding the other to minimize possible lockout.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	0.1 ml – 0.3 ml per 1L	0.5 - 1 ml per 1 gallon
Foliar spray (maintenance)	2 ml per 1L	8 ml per 1 gallon
Foliar spray (repair)	4 ml per 1L	16 ml per 1 gallon

PROGRAMS



ABOUT

PEAKBOOST is an ultra-concentrated, fast acting phosphorus booster and flower site initiator designed for use in early to mid-flower. This Potassium free formula is extremely bioavailable making it the perfect shaping tool for small and large scale cultivators.

The dosage strength and application duration can be easily customized to match the characteristics and overall flowering duration of each unique strain.

EDUCATION

Using a potassium free phosphorus booster allows you to individually supplement the macro-element (P) to suit the preferences and metabolism of your plant genetics.

PEAKBOOST can be used as a standalone phosphorus booster at any stage of growth.

WHY USE PEAKBOOST?

- Provides high levels of phosphorus during the first part of the flowering stage.
- Minimizes antagonism and lockout of phosphorus with other nutrients.
- Powerful stimulating effect on the initial blooming process.
- 100% water soluble and leaves no residue.

KEY INGREDIENTS

Phosphorus *Crucial to the capturing of sunlight into usable forms of energy within the plant.*

TIPS FROM THE FIELD

Gradually increase PEAKBOOST dosage throughout the bloom cycle until your flowers are well set and ready for bulking. It is ok to start FINALEBOOST transition later on plants with longer maturation periods.

Should you see purple coloring or streaks on the petioles (the stalk that joins the leaf to the stem) of your plants in the vegetative stage of growth, add PEAKBOOST to your veg feeding mix at the rate of 1 ml per gallon to correct the deficiency. Alternatively, you can foliar spray PEAKBOOST at the rate of 8 – 16 ml per gallon.

Note: Always raise or dim your lights before foliar spraying your plants.

FINALEBOOST

MATURATION BOOSTER

At minimum add FINALEBOOST to your reservoir weeks six through eight of the flowering stage. It's okay to extend or shorten the usage of FINALEBOOST based upon the total flowering time of your specific plant, or by the preferences of each individual cultivar.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	0.1 ml – 0.67 ml per 1L	0.5 - 2.5 ml per 1 gallon
Foliar spray (maintenance)	2.5 ml per 1L	9 ml per 1 gallon
Foliar spray (repair)	5 ml per 1L	18 ml per 1 gallon

PROGRAMS



ABOUT

FINALEBOOST is a concentrated finishing agent high in potassium and sulfur. Used by many cultivators around the world to increase the overall size, weight, density, aroma, and quality of their flowers, this phosphorus free formula is extremely bioavailable making it the perfect shaping tool for small and large scale cultivators.

The dosage strength and application duration can be easily customized to match the characteristics and overall flowering duration of each unique strain.

EDUCATION

Using a phosphorus free potassium booster allows you to individually supplement the macro-element (K) to suit the preferences and metabolism of your plant genetics.

FINALEBOOST can be used as a standalone potassium booster at any stage of growth.

WHY USE FINALEBOOST?

- Stimulates fruit and bud maturation leaving a firmer end product.
- Improves crop quality by increasing production of sugars and amino acids.
- Minimizes mineral antagonism and lockout of potassium with other nutrients during the later part of flowering.
- Powerful stimulating effect on the blooming and finishing process.
- 100% water soluble and leaves no residue behind.

KEY INGREDIENTS

Potassium Regulator of plant perspiration, fibrous mass enhancer, enzyme activator.

Sulfur Component of essential amino acids, aromatic characteristic promotant in some plant species.

TIPS FROM THE FIELD

Using a phosphorus free potassium booster that contains a large amount of sulfur is highly beneficial for maturation in the final weeks of flower.

FINALEBOOST can be used as an additive to pre-load substrates such as perlite to prevent potassium deficiencies after transplant.



BASE

NUTRIENT LIQUID

Add BASE to your reservoir during both the vegetative and flowering periods of growth. Be mindful that BASE does not contain calcium and must be combined with either MASSBOOST or MINERAL-CALMAG for optimal results.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular feeding	1 - 2 ml per 1L	4 - 10 ml per 1 gallon

PROGRAMS



ABOUT

BASE is a 100% mineral-based fertilizer compatible with all growing mediums and hydroponic systems. BASE is the only NPK nutrient product you need to use from the beginning of vegetative growth until the end of the fruiting and flowering phase.

BASE is easy to use throughout your plants' growth cycle. Simply add at the rate of 4 – 10 ml per gallon with the addition of either MASSBOOST or MINERAL-CALMAG.

EDUCATION

BASE provides the essential macro and micro elements needed for plant growth throughout the vegetative and flowering phases of growth.

The ingredients for BASE were intentionally chosen to not include ingredients which cause unnecessary contamination of the growing substrate.

Without these ingredients, BASE allows you to feed accurately knowing the true nutrient density of your feeding solution.

BASE contains 0% calcium and must be used with either MASSBOOST or MINERAL-CALMAG.

WHY USE BASE?

- Easy to use N-P-K fertilizer designed for both vegetative and flowering phases of growth.
- Very stable in solution. Allows for precise EC/PPM targets to be reached.
- May be used in all major growing mediums including: soil, coco, perlite, clay pebbles, peat moss, and rockwool based planting mediums.

KEY INGREDIENTS

Nitrogen *Macro element crucial to chlorophyll production and critical component of amino acids needed for growth processes.*

Phosphorus *Element responsible for the storing of energy produced from photosynthetic activity and is also crucial to root formation.*

Potassium *Critical to the movement of water, sugars, and nutrients in plant tissue.*

NOTE *0% calcium and must be used with either MASSBOOST or MINERAL-CALMAG.*

TIPS FROM THE FIELD

If starting new from seed, dilute BASE at 4 ml per gallon along with either MASSBOOST or MINERAL-CALMAG from first signs of leaves. FASILITOR and STARTBOOST are also recommended if applicable with your SOP's. Increase dose to 6 ml per gallon as plants begin to establish.

When growing under high intensity HID or LED lights, it's safe to increase BASE by 10-30% above the recommended dose to correct NPK deficiencies. While our recommended dosages are calculated from real world experience growing high-performance cultivars under high intensity HID and LED lights with the enrichment of additional Co2, there is always the possibility of deficiency with certain cultivars.



MINERAL-CALMAG

CALCIUM AND MAGNESIUM BUFFER

Shake well before use. If using FASiLITOR, ensure FASiLITOR is mixed first. Add MINERAL-CALMAG second, mix well, then add the remainder of your products.

In soil: Use once a week.

In coco/soil-less/hydro: Use in combination with APTUS BASE every watering. Do not use any additional non-APTUS sources of phosphorus.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
With a 2-part NPK	0.4 ml per 1 L	1.5 ml per 1 gallon
With BASE & municipal water	0.6 ml per 1 L	2.5 ml per 1 gallon
With BASE and RO/Soft water	0.8 - 1 ml per 1 L	3 - 4 ml per 1 gallon

PROGRAMS



ABOUT

MINERAL-CALMAG is a 100% water-soluble additive containing necessary plant-available forms of nitrogen, calcium and magnesium.

This formulation has been designed to prevent common deficiencies while buffering your feed water when growing in soil-less mediums such as coco, perlite, rockwool, hydroton or recirculating systems and/or using filtered sources of water. MINERAL-CALMAG can be used throughout the entirety of the vegetative and flowering stages of growth.

MINERAL-CALMAG has excellent pH stabilizing capabilities and is the calmag of choice for commercial growers or any cultivator operating fertigation systems, recirculating systems or longer reservoirs.

NOTE: MASSBOOST is not suitable for use in reservoirs for longer than 2 - 3 days. APTUS BASE contains zero calcium and must be used in conjunction with either MASSBOOST OR MINERAL-CALMAG. Deciding which APTUS calmag to use (MASSBOOST or MINERAL-CALMAG) is largely dependent on your growing method.

EDUCATION

Through high-intensity irrigation methods often seen in modern indoor cultivation practices, coconut-fibre based planting mediums can become deficient of calcium resulting in high levels of accumulated potassium and sodium. This excess of potassium and sodium most often results in antagonism and lockout, leading to deficiencies within the plant.

Due to the mixture of nutrients coming into the plant being fully optimized for healthy growth, allowances for varying excess of potassium and sodium are not considered. Because of this, mineral antagonism occurs, preventing the uptake of magnesium, causing unhealthy growth and the appearance of deficiencies.

MINERAL-CALMAG replaces the calcium ions lost through constant irrigation, providing the buffering capabilities needed to prevent this antagonistic exchange.

WHY USE MINERAL-CALMAG?

- Concentrated and easy to use dilutions of just 1.5 ml per 1 gallon.
- Utilizes the highest grade raw minerals available providing the absolute cleanest possible calcium & magnesium additive for your cultivation system.
- Prevents coconut-fibre based planting mediums from becoming a source of nutritional imbalance, lending stability to your crops' flowering stage of growth.
- Replaces the calcium ions lost through constant irrigation that occurs during indoor cultivation practices.

KEY INGREDIENTS

Nitrogen *Crucial element in chlorophyll, crucial component of plant amino acids.*

Calcium *Integral structural element to plant cells.*

Magnesium *Central element in the formation of chlorophyll, source of photosynthetic activity, enzymatic process activator.*

TIPS FROM THE FIELD

MINERAL-CALMAG is required when using BASE. If you use BASE, ensure you use MINERAL-CALMAG or MASSBOOST to avoid deficiencies. BASE contains zero calcium and must be used in conjunction with MINERAL-CALMAG or MASSBOOST.

When mixing your nutrients, be careful to avoid adding phosphorus supplements like PEAKBOOST directly onto MINERAL-CALMAG without mixing well. Always add and stir each product before adding the next to minimize local fallout which can decrease the quality of your nutrient mix.

During weeks where a high number of products are used, your available amount of nitrogen can get high. If you are not using BASE, and are using a 2 or 3-part base nutrient, you may want to consider decreasing the part containing nitrogen by 10 – 20%.

SYSTEM-CLEAN

CLEANER CONCENTRATE

Add SYSTEM-CLEAN to your feeding program at 2 – 5 ml per gallon.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Regular Use	0.5 ml per 1L	2 ml per 1 gallon
System & Substrate Clean	1.25 ml per 1L	5 ml per 1 gallon

PROGRAMS



ABOUT

SYSTEM-CLEAN is an effective and safe cleaner concentrate for maintaining planting mediums, cultivation surfaces and irrigation components. Using SYSTEM-CLEAN on irrigation components allows water, oxygen, and nutrients to flow more freely to the plant by having a clean pathway without obstructions.

EDUCATION

SYSTEM-CLEAN contains hypochlorous acid which is a weak acid that forms as chlorine dissolves in water. At the instructed dilutions on the label, SYSTEM-CLEAN is safe to use in your feed solution and over your planting medium, as well as on your cultivation surfaces and irrigation components.

NOTE: The SYSTEM-CLEAN formula sold in Australia, New Zealand, and Japan differs from the formula sold in North America. Both formulas perform the same purpose but in a different way, vary in concentration, and have differing dilution instructions.

WHY USE SYSTEM-CLEAN?

- Prevents loss of nutrients and oxygen in irrigation systems by removing scale buildup.
- Effective at cleaning excess salt out of cultivation substrates when used as directed.
- Cleans cultivation surfaces safely and effectively

KEY INGREDIENTS

0.046% Hypochlorous Acid

TIPS FROM THE FIELD

SYSTEM-CLEAN may be used alone in water to clean your system between cycles at the stated dilution of 5ml per gallon.

SYSTEM-CLEAN may be used as an effective cleaner of cultivation systems and surfaces at the rate of 20 ml per gallon. This concentration wont leave any chemical residue and is able to clean all components inside a cultivation environment.



BREAKOUT POWDER

PHOSPHORUS & POTASSIUM BOOSTER



Add BREAKOUT POWDER directly to your reservoir or stock tank as per instructions/feeding program and mix well.

While you can add the pure powder directly to your reservoir, feed water or stock tank, It's recommended to place your measured dose of BREAKOUT POWDER into a measuring jug or bucket with a small amount of water, stir/agitate until solubilized, then add mixed solution to your reservoir, feed solution or stock tank.

DOSAGE INSTRUCTIONS

Feeding Type	Metric	Imperial
Reguar Feeding	0.25 - 1 g per 1 L	1 - 2 g per 1 gallon

PROGRAMS



ABOUT

BREAKOUT POWDER provides great value for small and large-scale cultivators as an easy to use flower setting and bulking product. BREAKOUT POWDER is formulated using the highest quality water-soluble concentrates of phosphorus, potassium and sulfur, helping to achieve higher yields and better taste.

EDUCATION

BREAKOUT POWDER is a powdered PK supplement that provides a high-quality option for gardeners looking for a cost effective, water-soluble flowering additive.

BREAKOUT POWDER consists of mono-potassium phosphate, a concentrated source of both phosphorus and potassium. These elements are 100% critical to the production of energy and photosynthetic activity within the plant. In addition, BREAKOUT POWDER contains potassium and magnesium sulfates to ensure strong aroma with the highest quality end products.

WHY USE BREAKOUT POWDER?

- Low-cost and high-quality source of important phosphorus, potassium and sulfur.
- Economical with extremely low-dilution ratio of 1 - 2 grams per gallon.
- Provides a strong source of sulfur to enhance colors and flavors during the maturation stage.

KEY INGREDIENTS

Phosphorus Improver of overall crop quality, crucial element in photosynthetic units of energy.

Potassium Essential component for the production of photosynthetic units of energy, regulator of plant-water content and CO₂ consumption.

Sulfur Vital component of plant proteins, essential to formation of certain oils in specific plants.

TIPS FROM THE FIELD

Do not use in conjunction with PEAKBOOST and or FINALEBOOST.

Always check your EC after adding BREAKOUT POWDER to your reservoir. Adjust with fresh water if necessary.

BASEBOOST

COMPLETE TIME-RELEASE FERTILIZER PELLET

Application is incredibly simple. You can either mix into your soil or planting hole prior to transplanting or top-dress and water in. Apply with water only or add APTUS boosters for greater effect. BASEBOOST is effective and safe even for young plants.

BASEBOOST can take a week or two to fully kick in so it's a good idea to use FASILITOR and STARTBOOST at the beginning for a faster start.

Pro tip: You can add BASEBOOST to your chosen soil, peat or coco and soak with water one week prior to planting to ensure the pellets have started releasing nutrient, and your substrate is ready to grow!

DOSAGE INSTRUCTIONS		
Feeding Type	Metric	Imperial
Regular feeding	100 grams per 25 Liters of soil/media	15 grams per gallon of soil/media.

PROGRAMS



ABOUT

BASEBOOST is a time-release pellet fertilizer that provides complete nutrition for plant development for up to 3 months. Each application lasts 2-3 months and can be reapplied for longer cycles. It is specially formulated with the macro and micro nutrients needed for healthy, robust plant growth.

BASEBOOST is effective as a complete fertilizer for the grower with little time or trying to simplify the work of growing. For advanced growers looking to maximize yields, BASEBOOST is an effective replacement for a typical base NPK nutrient in combination with the rest of the APTUS boosters.

You can apply BASEBOOST during transplanting by mixing into the growing medium or as a top dressing to extend the growing cycle (especially outdoor applications).

EDUCATION

BASEBOOST contains protein based nitrogen which promotes robust vegetative growth and photosynthesis.

WHY USE BASEBOOST?

- Simple and complete plant nutrition – nothing else but water is required for up to three months during both vegetative and flowering phases.
- Complete formulation reduces the need for additional fertilizer input and work relating to constantly feeding plants.
- Easy to use formula with application lasting 2 – 3 months.
- Diverse formula helps condition soil, improves plant development, and stimulates micro-life.

KEY INGREDIENTS

Primary macro-nutrients - Nitrogen, Phosphorus, Potassium

Secondary macro-nutrients - Calcium, Magnesium, and Sulfur

Micro-nutrients - Boron, Iron, Manganese, Zinc

TIPS FROM THE FIELD

Use more pellets for sandy soil (200 grams per plant) than for clay or heavy soil (100 grams per plant), per cycle (2-3 months).

If your cycle is longer than 3 months, apply a second treatment as topdressing and water from the top, or mix pellets into the top couple inches of soil.

In case of deficiencies, simply add more pellets as a top dressing and water from the top. The pellets' runoff will supply food to the plant.

Mix into the ground during soil preparation or simply place at the bottom of each planting hole.

For best results, use the APTUS Soil Pro or Soil Basic Feeding Programs.



APTUS CLEAN PROGRAM



Substrate types

Coco coir, coco blends, perlite, vermiculite, hydroton, rockwool, stonewool, water, peat, soil

System

Drain-to-waste, recirculating, DWC, ebb-and-flow, NFT, aeroponics

APTUS

High-performance nutrition
for high-value crops

Growth phase Week of growth	Vegetative Week 1	Vegetative Week 2-3-4>	Flower Week 1	Flower Week 2	Flower Week 3	Flower Week 4	Flower Week 5	Flower Week 6	Flower Week 7	Flower Week 8	Final Flower Week
1	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
2	SYSTEM-CLEAN - mix well -	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal
3	MINERAL-CALMAG - mix well -	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal	3 ml/Gal
4	BASE - mix well -	5 ml/Gal	5.5 ml/Gal	5.5 ml/Gal	6.5 ml/Gal	8 ml/Gal	8 ml/Gal	8 ml/Gal	8 ml/Gal	6.5 ml/Gal	5 ml/Gal
5	BREAKOUT POWDER - mix well -				1 g/Gal			2 g/Gal			
6	FINALEBOOST - mix well -							2 ml/Gal	2 ml/Gal	2 ml/Gal	
7	Check pH	pH 5.8	pH 5.8	pH 5.9	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2
8	Nutrient mix is ready for use	Our CLEAN feed program is a mineral based, ultra-clean, cost effective, pH stable, set-and-forget style of program that can be used with all growing systems, substrate types and cultivation methods. This feed program will last 14 days in a reservoir or DWC system and will not cause any salt or biofilm buildup in irrigation/fertigation systems.									

OPTIONAL foliar program

1	FASILITOR - mix well -	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal
2	STARTBOOST - mix well -	4 ml/Gal	4 ml/Gal		
3	BLOOMBOOST - mix well -			4 ml/Gal	4 ml/Gal

Note: If adding FASILITOR to this program be sure to mix into the water first before adding SYSTEM-CLEAN.



MORE STABILITY.
SAME YIELD.



APTUS PREMIUM PROGRAM



Substrate types
Coco coir, coco blends, perlite, peat, soil

System
Drain-to-waste, recirculating

APTUS

High-performance nutrition
for high-value crops

Growth phase Week of growth	Vegetative Week 1	Vegetative Week 2-3-4	Flower Week 1	Flower Week 2	Flower Week 3	Flower Week 4	Flower Week 5	Flower Week 6	Flower Week 7	Flower Week 8	Final Flower Week
1	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
2	FASILITOR - mix well - 0.5 ml/Gal	0.5 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal
3	MASSBOOST - mix well - 1 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1 ml/Gal	1 ml/Gal
4	PEAKBOOST - mix well -		0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal					
5	STARTBOOST - mix well - 1 ml/Gal	1 ml/Gal	2 ml/Gal								
6	FINALEBOOST - mix well -			0.5 ml/Gal	0.75 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.5 ml/Gal	2 ml/Gal	2.5 ml/Gal	
7	BLOOMBOOST - mix well -			0.75 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.5 ml/Gal	1.75 ml/Gal	2 ml/Gal	2 ml/Gal	
8	BASE - mix well - 5 ml/Gal	6 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal
BASE to EC level (ppm 700)			1.2 - 1.4 840 - 980	1.2 - 1.4 840 - 980	1.2 - 1.4 840 - 980	1.4 - 1.6 980 - 1120	1.4 - 1.6 980 - 1120	1.4 - 1.6 980 - 1120	1.2 - 1.4 840 - 980	1.0 - 1.2 700 - 840	
9	ECOZEN - mix well -	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	2 ml/Gal
10	Check pH	pH 5.8	pH 5.8	pH 5.9	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2
11	Nutrient mix is ready for use										
PREFERABLY USE NUTRIENT MIX IMMEDIATELY, BUT ALWAYS WITHIN 3 DAYS. FOR LONGER / 7 DAYS RESERVOIRS, FOLLOW THE CLEAN PROGRAM.											



PREMIUM QUALITY.
SUPERIOR FLAVOUR.



SOIL PRO

FEED PROGRAM

Substrate types
Soil, peat, coco

System
Drain-to-waste



APTUS

Growth phase Week of growth		Vegetative Week 1	Vegetative Week 2-3-4	Flower Week 1	Flower Week 2	Flower Week 3	Flower Week 4	Flower Week 5	Flower Week 6	Flower Week 7	Flower Week 8	Final Flower Week
1	Add BASEBOOST to soil, peat or coco		15 grams per Gallon of soil									Top-dress for longer cycles
2	Fill tank with fresh water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
3	FASILITOR - mix well -	0.5 ml/Gal	0.5 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal
4	MASSBOOST - mix well -		0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.75 ml/Gal	0.5 ml/Gal
5	PEAKBOOST - mix well -			0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal					
6	STARTBOOST - mix well -	1 ml/Gal	1 ml/Gal	2 ml/Gal								
7	FINALEBOOST - mix well -				0.75 ml/Gal	0.75 ml/Gal	1 ml/Gal	1 ml/Gal	1.5 ml/Gal	1.5 ml/Gal	2 ml/Gal	
8	BLOOMBOOST - mix well -				0.75 ml/Gal	0.75 ml/Gal	1 ml/Gal	1 ml/Gal	1.5 ml/Gal	1.5 ml/Gal	2 ml/Gal	
9	ECOZEN - mix well -		1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	2 ml/Gal
10	Check pH	pH 5.8	pH 5.8	pH 5.9	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2	pH 6.2
11	Nutrient mix is ready for use	PREFERABLY USE NUTRIENT MIX IMMEDIATELY, BUT ALWAYS WITHIN 3 DAYS										



High-performance nutrition
for high-value crops



SOIL BASIC

FEED PROGRAM

Substrate types

Soil, peat, coco

System

Drain-to-waste



APTUS

Growth phase	Vegetative	Vegetative	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Final Flower
Week of growth	Week 1	Week 2-3-4>	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week	Week
1	Add BASEBOOST to soil, peat or coco	15 grams per Gallon of soil										Top-dress for longer cycles
2	Fill tank with fresh water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
3	FASILITOR - mix well -	0.5 ml/Gal	0.5 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	
4	STARTBOOST - mix well -	1 ml/Gal	1 ml/Gal	2 ml/Gal								
5	BLOOMBOOST - mix well -				0.75 ml/Gal	0.75 ml/Gal	1 ml/Gal	1 ml/Gal	1.5 ml/Gal	1.5 ml/Gal	2 ml/Gal	
6	Check pH	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2	pH 6.2	pH 6.2
7	Nutrient mix is ready for use	PREFERABLY USE NUTRIENT MIX IMMEDIATELY, BUT ALWAYS WITHIN 3 DAYS										



High-performance nutrition
for high-value crops



EXTREME FEED PROGRAM

Substrate types

Soil, peat, coco

System

Drain-to-waste

APTUS

	Growth phase Week of growth	Vegetative Week 1	Flower Week 1	Flower Week 2	Flower Week 3	Flower Week 4	Flower Week 5	Flower Week 6	Flower Week 7	Flower Week 8	Final Flower Week
1	Fill tank with fresh water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
2	FASILITOR - mix well -	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal	3 ml / 5 Gal
3	Add any base NPK nutrient and mix well	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base	NPK Base
4	Check EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM	EC / PPM
5	STARTBOOST - mix well -	10 ml / 5 Gal	5 ml / 5 Gal								
6	BLOOMBOOST - mix well -			4 ml / 5 Gal	4 ml / 5 Gal	5 ml / 5 Gal	6 ml / 5 Gal	7 ml / 5 Gal	8 ml / 5 Gal	8 ml / 5 Gal	
7	PEAKBOOST - mix well -			6 ml / 5 Gal	10 ml / 5 Gal	12 ml / 5 Gal					
8	MASSBOOST - mix well -	2.5 ml / 5 Gal			10 ml / 5 Gal		10 ml / 5 Gal		10 ml / 5 Gal	10 ml / 5 Gal	
9	FINALEBOOST - mix well -					6 ml / 5 Gal	8 ml / 5 Gal	10 ml / 5 Gal	12 ml / 5 Gal	15 ml / 5 Gal	
10	ECOZEN - mix well -	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal	5 ml / 5 Gal
11	Check pH	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2	Hydro pH 5.8 Soil pH 6.2
12	Nutrient mix is ready for use	PREFERABLY USE NUTRIENT MIX IMMEDIATELY, BUT ALWAYS WITHIN 3 DAYS									



High-performance nutrition
for high-value crops



APTUS CLEAN PROGRAM



METRIC

Substrate types

Coco coir, coco blends, perlite, vermiculite, hydroton, rockwool, stonewool, water, peat, soil

System

Drain-to-waste, recirculating, DWC, ebb-and-flow, NFT, aeroponics

APTUS

High-performance nutrition
for high-value crops

	Growth phase Week of growth	Vegetative Week 1	Vegetative Week 2-3-4>	Flower Week 1	Flower Week 2	Flower Week 3	Flower Week 4	Flower Week 5	Flower Week 6	Flower Week 7	Flower Week 8	Final Flower Week
1	Fill tank with fresh water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
2	SYSTEM-CLEAN - mix well -	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L	0.5 ml/L
3	MINERAL-CALMAG - mix well -	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	0.8 ml/L	
4	BASE - mix well -	1.25 ml/L	1.5 ml/L	1.5 ml/L	1.75 ml/L	2 ml/L	2 ml/L	2 ml/L	2 ml/L	1.75 ml/L	1.25 ml/L	
5	BREAKOUT POWDER - mix well -				0.25 g/L			0.5 g/L				
6	FINALEBOOST - mix well -								0.5 ml/L	0.5 ml/L	0.5 ml/L	
7	Check pH	pH 5.8	pH 5.8	pH 5.9	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2	pH 6.2
8	Nutrient mix is ready for use	Our CLEAN feed program is a mineral based, ultra-clean, cost effective, pH stable, set-and-forget style of program that can be used with all growing systems, substrate types and cultivation methods. This feed program will last 14 days in a reservoir or DWC system and will not cause any salt or biofilm buildup in irrigation/fertigation systems.										

OPTIONAL foliar program				
1	FASILITOR - mix well -	1 ml/L	1 ml/L	1 ml/L
2	STARTBOOST - mix well -	1 ml/L		
3	BLOOMBOOST - mix well -		1 ml/L	1 ml/L

Note: If adding FASILITOR to this program be sure to mix into the water first before adding SYSTEM-CLEAN.



MORE STABILITY.
SAME YIELD.

APTUS PREMIUM PROGRAM



Substrate types

Coco coir, coco blends, rockwool, perlite, peat, soil

System

Drain-to-waste, recirculating

APTUS

High-performance nutrition
for high-value crops

Growth phase	Vegetative	Vegetative	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Flower	Final Flower
Week of growth	Week 1	Week 2-3-4	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 8	Week 8	Week 8	Week 8	Week
1	Fill tank with fresh water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water	Refresh Water
2	FASILITOR - mix well -	0.5 ml/Gal	0.5 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	
3	MASSBOOST - mix well -	1 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	
4	PEAKBOOST - mix well -			0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal	0.5 ml/Gal						
5	STARTBOOST - mix well -	1 ml/Gal	1 ml/Gal	2 ml/Gal											
6	FINALEBOOST - mix well -				0.5 ml/Gal	0.75 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.5 ml/Gal	2 ml/Gal	2.5 ml/Gal	2.5 ml/Gal	2.5 ml/Gal	2.5 ml/Gal	
7	BLOOMBOOST - mix well -				0.75 ml/Gal	1 ml/Gal	1.25 ml/Gal	1.25 ml/Gal	1.5 ml/Gal	1.75 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	2 ml/Gal	
8	BASE - mix well -	5 ml/Gal	6 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	6-8 ml/Gal	
	BASE to EC level (ppm 700)			1.2 - 1.4 840 - 980	1.2 - 1.4 840 - 980	1.2 - 1.4 840 - 980	1.4 - 1.6 980 - 1120	1.4 - 1.6 980 - 1120	1.4 - 1.6 980 - 1120	1.2 - 1.4 840 - 980	1.0 - 1.2 700 - 840	1.0 - 1.2 700 - 840	1.0 - 1.2 700 - 840	1.0 - 1.2 700 - 840	
9	ECOZEN - mix well -		1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	1 ml/Gal	2 ml/Gal
10	Check pH	pH 5.8	pH 5.8	pH 5.9	pH 6.0	pH 6.0	pH 6.1	pH 6.1	pH 6.2	pH 6.2	pH 6.2	pH 6.2	pH 6.2	pH 6.2	pH 6.2
11	Nutrient mix is ready for use	PREFERABLY USE NUTRIENT MIX IMMEDIATELY, BUT ALWAYS WITHIN 3 DAYS. FOR LONGER / 7 DAYS RESERVOIRS, FOLLOW THE CLEAN PROGRAM.													



PREMIUM QUALITY.
SUPERIOR FLAVOUR.