

PROFESSIONAL GR

POWDERED PLANT NUTRIENTS



- ONE PART COMPLETE CUSTOM BUFFERED MIXES
- BREAKTHROUGH HOMOGENIZING AND PH SMART TECHNOLOGY

Our **Professional Growers Formulas** comprise five revolutionary, fully complete one part mixes. They are designed to maximize each stage of plant development. They are **custom buffered** for use in **hydroponics / aeroponics, organic soil / soil less mixes and terraponics**. We use only the highest quality, technically pure food grade ingredients available. We then meticulously formulate them with the latest in homogenizing technology to achieve great precision and accuracy.

This proven blend of vitamins, minerals, trace elements and hormones are then turbo-milled at our facility for unsurpassed distribution and solubility. This combination of superior quality and craftsmanship make these the most easy to use, highly advanced plant nutrients available.

TECHNICAL DESCRIPTION

All of our **Professional Growers Formulas** contain high quality food grade vitamin B - 1. Vitamin B - 1 makes plants grow vigorously and helps reduce shock and stress during growth and transplanting. Allantoin is also a key component of our proprietary blend. Allantoin is an organic cell proliferant which allows plant cells to divide at lower energy levels, therefore speeding up plant growth and causing earlier and larger flowers. The allantoin is extracted in our laboratory from the leaves of the Russian Comfrey S.X. Uplandicum which contains the highest concentration of allantoin and is among the most important medicinal herbs rich in calcium, potassium,

phosphorus, vitamins and trace elements.

Supernatural® **Professional Growers Formulas** contain essential macro and micro elements in the proper ratios in solution to force a plant not only into a specific stage of growth, but are also **custom buffered** and formulated to maximize nutrient availability in different growth media. The higher magnesium levels and lower molybdenum levels

required by organic soil and soil less mixes are provided by our **Gro Terra®** and **Bloom Terra®** as well as by our new Supernatural Terraponic® Growth Method.

Gro Aqua® and **Bloom Aqua®** are very rich in calcium and are custom buffered for maximum nutrient uptake in both hydroponic and aeroponic applications. Ethylene Diamine Tetraacetate or EDTA is used to chelate Manganese, Copper, Zinc and Magnesium, being very effective in the acid neutral range 5 - 7.5. Diethylene Triamine Pentacetate or DTPA is used along with EDTA in the **Gro Aqua®** and **Bloom Aqua®** for aeroponic and hydroponic applications. DTPA is a special chelating agent for iron that is effective over a wider pH range, particularly alkaline conditions. This is especially important for hydroponic growers. These chelates are large organic structures which form a complex with micronutrients. This complex forms a large chelated ion which reduces the ability of the micronutrient to react with the growth medium, making the micronutrient even more available for plant uptake. Supernatural **Super Boost®** is designed to be used in all growth media up to two weeks at a time. It contains the high phosphorus levels that young plants and ripening plants require. **Super Boost®** is also designed so that when mixed into solution, it automatically mixes to the correct pH. This is a big advantage to the grower to help reduce the possibility of stress and shock from pH fluctuation due to faulty test equipment or inaccurate readings

during the most critical stages of plant growth.

Rockwool Soak® is also a complete nutrient formula that uses our pH smart technology to automatically buffer rock wool cubes and also peat pellets to the correct pH. **Rockwool Soak®** contains just the proper elements to give seedlings and cuttings a rapid start and also to ensure the availability of essential nutrients at the most critical stages. **Rockwool Soak®** is a pre-crop base fertilizer.

All Supernatural® formulations are completely water soluble. In water the plant nutrients go into solution almost instantly and stay dissolved without leaving residue in tanks or irrigation lines. Supernatural® is made with extremely high grade components in as highly concentrated a form as possible to ensure that soluble salts will be kept to a minimum. This reduces the possibility of stem canker due to build up at the growth medium surface level. Supernatural® is so pure that a complete nutrient profile is available to the plant at half the strength compared to other leading brands.

Supernatural® **Professional Growers Formulas** are rated #1 by professional and amateur horticulturists in British Columbia and are rapidly gaining popularity abroad directly from growers comparing results side by side with other leading brands.

BOOST!
GROW
HIGHER...
FASTER!
GROW!
BLOOM!

*with Supernatural®
 Professional Growers
 Formulas*



LOWERS FORMULAS

NOTES

- For organic soil, use up to double strength, apply every 1 - 2 weeks, depending on the rate of growth and the fertility level of the soil.
- For cropping in soil, soil less mixes or Terraponic® use: Super Boost®, Gro Terra®, Bloom Terra®, and Bud Blaster®.
- For cropping in hydroponic applications use: Super Boost®, Gro Aqua®, Bloom Aqua®, and Bud Blaster®.
- Use as directed for each of the six stages of cropping:
 1. Soaking / Conditioning (before planting)
 2. Rooting (seedlings, cuttings)
 3. Vegetative
 4. Flowering
 5. Late Flowering
 6. Ripening.

TIPS

- Salts, metals and many other compounds can accumulate in the growth medium. Supernatural Super Leach® can safely and easily flush these away.
- Leach with Supernatural Super Leach® once every week or when changing formulas. Use Supernatural Super Leach® after ripening is complete, then run water only for three days before harvest.
- Just before harvesting use Supernatural Quality Cure® for 12 hours with the lights out. Supernatural Quality Cure® reverses the plant's natural transpiration process. This dramatically reduces "sweating out" and the breakdown of essential oils, giving you the highest quality product.
- Supernatural Rockwool Soak® is pH smart. This means it will automatically mix and condition rock wool to the correct pH for the critical stages of plant growth.
- Supernatural Ultimate B - 1 Thrive® (Growthburst Formula) along with Supernatural Super Boost® can set the stage for a "Root Explosion".
- Supernatural Rockwool Soak® is used to condition the growth medium before planting.

NOTE: Use Bud Blaster® along with all Bloom formulas in the first week of flowering at .25 tsp / 4 L of water. Use Bud Blaster® along with Super Boost® in late flowering and ripening, at .25 tsp / 4 L of water.

For Supernatural Terraponic® refer to Step-by-Step Hybrid Growth Technique on page 11.

SOIL LESS MIXES

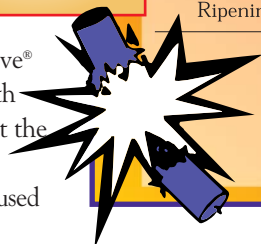
(For organic soil, use up to double strength, apply every 1 - 2 weeks, depending on the rate of growth and the fertility level of the soil.)

STAGE	EXAMPLE: APPROX. LENGTH OF TIME FOR 8 WEEK FLOWER CYCLE	PROFESSIONAL GROWERS FORMULA	TEASPOONS PER 4 LITRES WATER	TOTAL DISSOLVED SOLIDS (PPM)
Soaking/ Conditioning Media	4 hours	Rockwool Soak®	1	500
Rooting	5-9 days	Super Boost®	.5	300 - 400
Vegetative	2 weeks Cut light cycle after one week. Continue Gro Terra® for one week after shortening light cycle.	Gro Terra®	2	700
Flowering	5 weeks	Bloom Terra®	1 - 2	600 -1000
Late Flowering	1 week	Super Boost®	1.5 - 2	800 -1000
Ripening	1 week	Super Boost®	1.5	900-1200 Combined

FLOOD AND DRAIN HYDROPONICS

STAGE	EXAMPLE: APPROX. LENGTH OF TIME FOR 8 WEEK FLOWER CYCLE	PROFESSIONAL GROWERS FORMULA	TEASPOONS PER 4 LITRES WATER	TOTAL DISSOLVED SOLIDS (PPM)
Soaking/ Conditioning Media	4 hours	Rockwool Soak®	1	500
Rooting	5-9 days	Super Boost®	.5	300 - 400
Vegetative	2 weeks Cut light cycle after one week. Continue Gro Aqua® for one week after shortening light cycle.	Gro Aqua®	1.5	700 - 1000
Flowering	5 weeks	Bloom Aqua®	1.5	700 - 1000
Late Flowering	1 week	Super Boost®	1.5 - 2	700 - 1200
Ripening	1 week	Super Boost®	1.5	700

NOTE: Use Ultimate B - 1 Thrive® along with all nutrient formulas at 1 tsp. (10 ml) / 4 L of water.



SPECIALTY



SUPERNATURAL BUD BLASTER® is a master blend of the highest quality ingredients. Supernatural Bud Blaster® provides your crop with super phosphates, vitamins and minerals which are rapidly absorbed in the pre-flowering and final ripening stages of plant growth for an enhanced, higher quality product.



SUPERNATURAL ROCKWOOL SOAK® is an acidifier, buffer which contains the essential macronutrients and micronutrients for a rapid healthy start in the early stages of plant growth. It ensures correct pH adjustment and also allows for nutrients to spread uniformly in the growth medium. A

must for starting seedlings and cuttings in any growth medium including peat pellets, rock wool, terraponics, soil less mixes.



SUPERNATURAL ULTIMATE B - 1 THRIVE® & SUPERNATURAL PURPLE B - 1 THRIVE® consist of a pure blend of vitamins, minerals, nutrients and natural growth hormones that, when used as a supplement to your regular feeding program, work together to increase the overall health and size of the plant and to maximize harvest.

Supernatural Ultimate B - 1 Thrive® and Purple B - 1 Thrive® contain the highest quality vitamin B - 1 and Allantoin, (Natural Cell Proliferant) which enables cell division at lower energy levels while taking care of the general maintenance of the plant, also guarding against shock and stress during growth and transplanting. Our new Growthburst Formula has many benefits for rooting and foliar applications.

This puts Supernatural Ultimate B - 1 Thrive® and Supernatural Purple B - 1 Thrive® in a class by themselves.



SUPERNATURAL ROOT BURST POWDER® is a professional formula rooting hormone that contains the most valuable of root inducing substances available (indole-3-butyric acid). Unlike other rooting compounds our trademark formula contains high quality ingredients that maintain the health of the cutting throughout the rooting phase, setting the stage for a root explosion immediately followed by lush, healthy, vigorous vegetative growth. This saves the grower valuable time.

Superior stem adhesion and penetration of active ingredients will give you results better than anything else available. You will find that **Supernatural Root Burst Powder®** will also root hard to root cuttings, such as bamboo, with ease.

PRODUCTS



SUPERNATURAL SUPER LEACH® is a breakthrough formula designed to directly act on those stubborn compounds which cause build - up in any growth medium and cause the background electroconductivity to progressively rise. These are the most common causes of toxicity and nutrient deficiency from nutrient lock out.

Supernatural Super Leach® thoroughly flushes away zinc, copper, and other metals which come in contact with the water supply or nutrient solution. (Zinc from galvanized pipes and copper from copper pipes). Calcium from hard water. Sodium and Chloride from soft water. Sulfates from fertilizers and many other elements which build - up in all growth media.

Grow Higher...Faster with the Supernatural® Professional Growers Formulas.



SUPERNATURAL EXCELLOFIZZ®

Our new, easy to use CO₂ pucks now contain eucalyptus. This refreshing and uplifting fragrance is sure to enhance your growing pleasure and will cover unwanted odours. Eucalyptus also kills airborne bacteria and dispels mites. Excellofizz® is designed for the smaller indoor grower. It allows a simple and economical way of providing accurate CO₂ levels to your plants without the need for dispensing or monitoring equipment, especially where venting is limited. Excellofizz® emits the proper CO₂ levels for indoor plants by reacting and simultaneously giving off pure CO₂ gas and absorbing oxygen from the surrounding air.

SUPERNATURAL GREEN+STAY®



The importance of keeping the leaves healthy and green throughout their growth cycle can make a dramatic difference in flower and vegetable production. The great news is that it is easy to keep your plants healthy and green.

By using a foliar spray of professional quality nitrogen, magnesium and iron formula like Supernatural Greenstay®, results can be seen in just two days with one application. Supernatural Greenstay® is a thick professional concentrate. Shake well before using and dissolve one or two teaspoons per litre of water and spray right on yellowed leaves. Avoid use before rain or in direct sunlight. This will quickly cure moderate deficiency symptoms. For acute deficiency symptoms caused by toxicity and nutrient lockout a first aid program should be immediately administered using the Supernatural FIRST AID KIT for all plants.



SUPERNATURAL QUALITY CURE®

The usual practice of flushing or leaching the nutrients from the crop for final curing or drying always leaves the plant material soaking wet, adding days to the curing period. This added moisture causes essential oils to break down by "sweating out". This gives the finished product an undesirable darker green appearance along with weaker fragrance, flavour and quality. Supernatural Quality Cure® quickly and safely removes excess water from the plant by reversing the plants natural transpiration process, thus ensuring a lighter green, freshest quality product.

Our Most Frequently Asked Questions



Q
Hi, I am using the grow pots with supernatural fertilizer and I'm top feeding. My questions are what should the ph of the nutrient solution be and how many times a day should I be watering/feeding in a 12-hour photoperiod? Thanking you in advance for a prompt response. Sincerely, Mt. Woman

A
Hello:
With the Terraponic Grow Pots® and the Supernatural® nutrient there is no need to adjust the pH. The nutrients are well buffered, very stable and designed to automatically buffer to the correct pH. It is best not to adjust the pH up or down.

Scheduling feedings is very simple with Supernatural Terraponic®. The easiest way to tell is by the weight of the Grow Pots®, when the first one feels light in weight feed them all by saturating with nutrient. The higher performance growth methods are achieved by passing more solution over the roots. The size of the plant and Grow Pot®, as well as temperature and humidity play a vital role in moisture content. When the growth medium gets too dry, the concentration goes up, pH goes out, etc. This is why you should never feed a dried out plant with nutrient, but always water first. The medium should never be allowed to dry out to the extent that the leaves look droopy.

You should feed the Grow Pots® at minimum once per day, especially when the plants are young. Twice a day as soon as they start to show lush growth. If you add extra feeding cycles you should lower your nutrient to prevent build up. The Terraponic® mix also can be drip-fed. Leaching or flushing is crucial to healthy growth. It is best to feed for 6 days with a total dissolved solid content of 500 or 600 ppm, then leach with Super Leach® and flush through the top with plenty of water. Resume feeding nutrient at next feeding cycle.

Hope this helps. If you want to give me the size of the Grow Pots®, plant growth stage - how many weeks - temp, humidity any more information could help me to be more specific. Regards, Fearlessgardener

Q
Hello:
I just bought your Bud Blaster and just went to the flowering stage, and am growing in soil. I am using .25 teaspoon per gallon of water how often should I use this during the flowering stage?? Thanks, Scott

A
Hello Scott:
Use Bud Blaster® with every feeding (along with other nutrients) throughout the flowering stage. Regards, Fearlessgardener

Q
I am growing in a soilless mixture outdoors using General Hydroponics Flora series chemicals, then I discovered your products. I am a few weeks from harvest and intend to use Bud Blaster as recommended in the last week before harvesting. Here is my question. I have learned from several sources to flush the soil mixture with clear clean H₂O 10 days before harvesting to rinse away all chemicals. Do I use Bud Blaster only before rinsing, or continue to use it even during the rinsing process?

**Please advise
Hatch in California**

A

Hello:

Use Bud Blaster® along with your nutrients before flushing, not after. Be sure to lower your nutrient strength to accommodate the added Bud Blaster®.

Regards, Fearlessgardener

Q

Hello

I used to grow my plant in 8 gallon bucket. Now I decide to use Terraponic method then how big the size of grow pot to give the same equivalent? (5 L, 20 L or 30 L). And if I buy grow pot in bulk then how I do that? step by step please.

Secondly, When I flood in the Fearless air table, the MAXIMUM flood depth is 3" and MINIMUM is 1", can you explain me why? Why not we flood them up to the top of Fearless air table?

Thanks

Robert

A

Hello:

A 5 L Grow Pot® will out perform 20 L (5 gal) of regular soil less mix such as Sunshine #4 or Pro Mix. It takes a smaller amount of Grow Pot Mix® to obtain much better than expected results. Use the 5 L Grow Pot® if you grow to a finishing height of 36" to 45". They would be vegetated for only one or two weeks. If growing longer a 20 L Grow Pot® would allow you to finish at 5' 6". You would use a 30 L for mother plants.

To grow with Terraponic® is very easy. The Terraponic® mix comes layered and ready to use in the Supernatural Terraponic Grow Pot®. Just punch holes as indicated near bottom, open top and plant. The individual feeding instructions are listed on the back of the grow pot week by week for that particular size of Grow Pot®. The Grow Pot® needs only a flood depth of one to three inches of nutrient solution in the air table

because the Grow Pot® is designed to hold the correct moisture content in the growth medium through capillary action. That is the depth at which the correct moisture content will be drawn up.

Regards, Fearlessgardener

Q

Hello:

I have a question about Excellofizz. I was wondering since I grow in a small space 40 cubic feet (4W x 5H x 2D) would I still benefit from the product for such a small space. I can i split the tablet and use half in such a small space? or wouldn't it be overkill to use the whole tablet at once? I would like your advice before purchasing the product.

Thank you

A

Hello:

Excellofizz® is the product of choice, especially in more confined areas. Splitting the tablet in half would be adequate for your size area. Use one-half tablet at a time. Place the Excellofizz® container so that the reaction does not splatter on the leaves. React one-half tablet at least one hour into the photoperiod. Most growers like to use Excellofizz® thru veg and three weeks into flowering.

Regards, Fearlessgardener

Q

Hi:

in a 8 week bloom cycle when could i use the superboost. and can i use it with or without the bloom?? please answer asap

A

Hello:

You can use Super Boost® for up to 10 days at the very end, just before leaching for harvest. Super Boost® is a complete plant food and should be used on its own. It may be used in conjunction with Bud Blaster®.

Regards, Fearlessgardener

**Contains
Eucalyptus**



SUPERNATURAL[®] BRAND

EXCELLOFIZZ[®]

- **Emits proper CO₂ levels for indoor plants.**
- **CO₂ for a few dollars per day.**
- **Will not add any heat in growing area.**
- **Added eucalyptus will:**
 - Cover unwanted odours.**
 - Kill airborne bacteria.**
 - Deter spider mites.**

*Designed to create a trend,
not follow one!*

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www.fearlessgardener.com

Q

Hi :

I would like to know more about "excellofizz with eucalyptus",

1) I am specifically concerned about health of people and pets when it is in use?

2) Also what is the proper amount to use for a 9' x 10' room with an 8 ft ceiling?

3) When is it safe to enter the room?
Thank You TieP

A

Hello

When used as directed, Excellofizz® is safe to use around people and pets. One tablet per day is sufficient for your area. Excellofizz® will not raise the concentration of CO₂ to dangerous levels and it is safe to enter the room at any time.

Regards, Fearlessgardener

Q

Hello

I recently picked up this product for one of my smaller grow closets, but have a few questions in relation to the proper use of Supernatural Excellofizz®. 100 ML of water: Is this enough to generate proper CO₂? It seems like a small amount to add to the puck, for after one days use, the water level is quite low, and there is still some mass to the puck. Should I occasionally add more water until the puck is dissolved? How long should one puck produce CO₂? Or, how often should I wash out the container and provide a new puck with 100ML of water? My hydro shop was uncertain about this. In just one days use, I have noticed great results, and plan on using Supernatural Excellofizz® in more of my hydro systems.

Scott

A

Hi Scott:

You can add a little more water to further dissolve the puck. The puck will react approximately 5 hrs into the photoperiod

and then further increase CO₂ levels after the reaction has subsided by absorbing oxygen from the surrounding air. The container can be washed out daily or at least at three days. It is best to add a tablet one hour after the lights come on in order to allow time for the stomata to open. Each Excellofizz® tablet creates the proper amount of CO₂ required by a 12 cubic foot area, especially where venting is limited. A new tablet should be reacted every day. I am very pleased to hear of your success. Thanks.

Regards, Fearlessgardener

Q

Hello

we are using your products and are very satisfied. our outlet Humboldt hydro has given us a little contradictory information and we would like to know on an 8 week flowering cycle after 2 weeks of vegging in a fill and drain hydro tank what is the proper sequence of nutrients to achieve optimum harvest. thanks Jim

A

Hi:

The best nutrients to run for heavy fruit-load, flowering/ripening in hydroponics would be Bloom Aqua®, Ultimate B-1 Thrive® and Bud Blaster®. You can run Bud Blaster® all the way thru flowering with impressive results. The first 4 weeks add 1 tsp / 20 L of nutrient solution. The last 4 weeks add 3 tsp, making sure not to exceed the recommended total concentration in ppm. Some people like to switch from Bloom Aqua® to Super Boost® in the last 2 weeks before leaching. Bud Blaster® should also be used along with the Super Boost®.

Regards, Fearlessgardener



Q

Hello, I got a trial pack of your SUPER-BOOST formula and I was reading on the instruction about that you recommend that you should leach regularly. Is this to remove the salt build up that accumulates on the growing medium? I don't understand the entire process of leaching. What causes it? I was also wondering if it is recommended to use evaporated sea salt (aquarium salt) to neutralize the pH levels. I have a 10 gallon reservoir and 25 five week old sweet hybrid 100s cherry tomatoes on a drip system and no ppm meter. Do you have any charts on mixing ratios?

Thanks for your help.

Jack

Oly, Wa

I'll send a photo when they fruit.

A

Hello: Leaching is done to remove unused minerals and metals from the growth medium. If left they would build up to toxic levels and cause deficiency symptoms. It is best to leach your plants from the top every one or two weeks depending on plant growth and frequency of feedings. In Terraponic® and hydroponics we recommend leaching once per week. This way the plants get a fresh nutrient profile and balanced solution which they need in order to assimilate the nutrients. A rule of thumb is to flush the plants from the top with enough fresh water to equal double the amount of soil mix in the pot. Supernatural Super Leach® may be added before flushing with water to help loosen stubborn compounds.

Do not use sea salt as it would be toxic to the plants. With Supernatural® plant food you do not need to worry about pH. Our custom buffered nutrients have auto pH control built in. Super Boost® is only meant to be used for short periods to jump start your plants. In hydroponics you should be using Grow Aqua® and Bloom Aqua® at the recommended mixture rates on the label. They are listed in teaspoons per 4 litres for those who do not have test equipment. Keep

me up to date. If you try our new Terraponic® you will get some very impressive results. We have come out with the best growth method ever. It maximizes the solid phase and liquid phase root absorption while simultaneously increasing gas exchange at the root tips. No other method does anything close to this. Terraponic® is now at the forefront of many of the latest university studies. Our tomato crops were the best we've ever seen. Tomatoes do extremely well with Terraponic®. It would definitely be worth trying.

Regards, Fearlessgardener.

Don't RE-POT it, SUPERLEACH it!



Watering and feeding your plants is a necessity, but both leave a build up of elements on the roots and in the soil that prohibits growth and effective feeding.

Super Leach® removes the build up of minerals and trace elements from your plant's roots and renews your soil. No more messy re-potting - just apply Super Leach® and your plants will thank you.



www.fearlessgardener.com

BUD BLASTER

1 - 52 - 31

- **Dramatically Increases "sunflower" resin production**
- **Contains the highest quality B - 1**
- **Can be used with *any* nutrient solution**
- **Highly concentrated**
- **3 unique Super Phosphates**
- **Use from preflowering through ripening**



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Q

Hi, Directions say to mix with nutrient solution. can i use just the budblast, no other nutrients as a mix and feed the soil mix which is 7 gal. size? i am experimenting using ebb flow system using a small layer of clay stone to absorb mix. has worked very well so far, but before i finish flowering wanted another opinion. the mix i am using now is superboost 10-49-10. also in the growth stage i used a different mix, but doing it same way. any thoughts or suggestions?

A

Hello: Bud Blaster® is not a complete food, it is an additive and is designed to be used with a complete food. Super Boost® is meant to be used for only up to two weeks at a time because of its high phosphorus levels. The proper nutrients for you to use in a hydroponic NFT system would be our Rockwool Soak®, Grow Aqua® and Bloom Aqua® formulas. You can use Bud Blaster® in conjunction with Bloom Aqua® or switch to Super Boost® at the end. These 3 formulas are all one part complete mixes that are buffered specifically for continuous feed systems.

Hope this helps.
Regards, Fearlessgardener

Q

Hi I am using a different soil can I mix your soil with mine?
Thanks
Connie

A

Hello Connie,
Yes you can use our soil less mix with other brands. We have had e-mails from customers who wanted to know the same thing. They have had amazing results!

Regards, Fearlessgardener

Q

Hi, I have also bought some gro-aqua nutrient and I am having some prob-

lems with the leaf tips curling under and I am only using one teaspoon per gallon, is this nutrient design to be mix with tap water or should I be using distilled water to keep tips from burning. I can sure use your input, thanks Scott !

hi again, I have recently bought some green + stay I would like to know how often can I use it as a foliar spray, "can it be used every day?" please let me know, thank you, Scott

A

Hello: The leaf tips curling under is a sign of over fertilization. Four things come to mind that could be causing this condition.

1. The plant food is mixed improperly. It is either too strong, or it is mixed into too low a volume of water, meaning in a concentrated form instead of into the final volume of water. Certain minerals are locked out of solution even after the water has been topped up.
2. The growth medium is drying out too much causing the nutrient concentration to rise beyond range.
3. The water may have too high a concentration of metals or minerals, creating a ghost or background electroconductivity. This is more prevalent in aeroponic or continuous feed systems and eventually leads to nutrient lock out.
4. The growth medium has not been leached regularly.

Hi; You can use Greenstay® as a supplement foliar spray once or twice per week. It is a good idea to spray with plain water the following day. This will help the plant to absorb any residue left on the leaves and will also help with respiration or gas exchange. One situation where you would not use Greenstay® as a foliar spray is when powdery mildew is present, but you may use it as an additive to your nutrient reservoir under these circumstances.

Hope this helps,
Regards, Fearlessgardener