

G.E.T.

THE POWER

Growing Edge Technologies

Why should you try one more plant food?

If our statement on plant nutrition does not make you or our competitors go hmm, now that is a different look at plant nutrition, then do not try our food. I William Sutherland have been building hydroponic plant foods for over 25 years and I will give you a healthier garden, with better yields, better taste and as our new customer state, I have been growing for years and I want to be able to achieve the same results as my buddy does, that use's your products, so I have come here to learn your method.

So what makes our plant food different than other plant food out in the market today?

All plant foods are built with the same 13 elements, but the source of these elements do make a difference. For instance; if you want to add Calcium which one do you choose and from whom: Calcium Nitrate[Ca(NO₃)₂], Calcium Chloride [CaCl₂·6H₂O], Calcium Sulfate [CaSO₄·2H₂O], Calcium Oxide [CaO], Mono Calcium Phosphate [Ca(H₂PO₄)₂] and Calcium Limestone [Carbonate CaCO₃] , Triple Super Phosphate [CaH₄(PO₄)₂], Calcium Hydroxide [Ca(OH)₂], each has a specific use within plant nutrition. Now take into the fact that most manufactures of fertilizer salts build each type of fertilizer salts, with some having better solubility than others.



Growing Edge Technologies has built their Let's Grow A & B and Let's Bloom A & B, with certain manufactures fertilizer salts. G.E.T. owners have been building hydroponic plant foods for over 25 years and have tried the same formulas with different manufactures fertilizer salts, achieving different results and now we only build our plant foods with these proven mineral salts. And when you use our formulas G.E.T. knows that you to will notice the difference in your favorite crops.

SO LET'S GET STARTED

Many manufacturers of plant food build their plant food to be pH stable. pH buffers such as 2-(N_morpholino) ethane-sulfonic acid - abbreviated to MES will stabilize the nutrient solution. We, at Growing Edge Technologies (G.E.T.) build our plant food without pH stabilization capabilities, allowing the grower to monitor the nutrient solution and fix a situation before it becomes a problem with their yield.

By monitoring the pH of the hydroponic nutrient solution, the grower can monitor the health of a plant. If the pH of the nutrient solution continuously rises then the plant is healthy and actively feeding. Do not allow the nutrient solution to climb above pH 6.5. Change nutrient solution, even if it is before the regular nutrient schedule change. There are two main reasons why the nutrient solution can drop in ph value. One is by not providing adequate volume of nutrient solution. If the volume of water containing mineral elements is not enough then the alkaline ions, such as, Ammonium Nitrate (NH₄⁺), Potassium (K⁺), Calcium (Ca²⁺), Magnesium (Mg²⁺) will be utilized by the plant or plants quicker. Use a Parts Per Million (PPM) Electrical Conductor Meter to monitor the strength of nutrient solution. When the nutrient solution drops by 200-ppm you have to change the nutrient solution. Use 2 litre of nutrient solution per 4 days on small or young plants and up to 10 litres for large tomato plants. The second reason is that the plant is fighting off an invasion of bad bacteria in the root zone.



Now, when the plant is sick, does the plant just stop growing or absorbing water? No. If a plant is under attack by viruses or diseases, the plant will secrete a solution that lowers the pH of the surrounding area, in its attempt to kill the bacteria. In hydroponics, the pH of the nutrient solution will fall and other plants in the hydroponic system might get infected because of the interconnecting tubing. The pH will crash even faster, depending on the volume of water. All of this means lower yields. What do I do if I notice the pH dropping and I want high yields? Once the pH starts to drop, it is time for ROCKET POWER. Our ROCKET POWER is designed to give the plant such a kick-start, that the plant will have to restart growing again. If the plant does not start to grow again and all conditions have been provided, then we suggest to G.E.T. a new plant to start growing again.

Let's Garden Series is specifically developed to increase plant vigour and help reduce the yield robbing effects of stress on any crop. Let's Start (seedling & growth), Let's Flower (budding & flowering) and Let's Fruit (fruit set & ripening) the [Let's Garden Series]; Stress is not limited to water, nutrients, or environmental conditions. Normal plant growth (germination, cell division, branching, leaf production, flowering set) are some of the major stress factors governing a plant. Most plants go through similar types



of stress that result in lack of yield and/or quality. Increasing health and vigour enhances the plant's ability to overcome stress. Growth and yields of the plant are governed by any nutrient



in the least supply, not by those in abundant supply. Complete formulation of instantly assimilated primary and secondary plant nutrients make it immediately available to the plant. Let's Garden Series is non-toxic, biologically degradable, and instantly available and is environmentally friendly.



Power Thrive is not a plant food; it is a carefully formulated blend of vitamin and natural plant hormones for use during all phases of plant development. Our chemist has discovered a unique way of extracting the valuable growth potential from kelp, one of the world's fastest growing plants. Power Thrive helps your plants survive during stressful periods of growth, especially when starting seeds, transplanting, or taking cuttings. Power Thrive also ensures stronger, more vigorous vegetative growth and when used during the flowering cycle, will result in more vibrant blooms and improved fruit quality!

Power to Bloom - just another little blue powder fertilizer? NO! Power to Bloom is a proven flower booster, its unique chemical make-up produces large abundant flowers, whether on your fruiting crops, or simply for your blooming ornamental. We do not want to give too much info on this product because it works fast and everyone will be trying to copy our formulation. Used during the 3 and 5 week of flowering. May be used throughout the entire flowering period. GET recommends using only during the 3 and 5 weeks following the natural rhythm of the flowering plants.





When you GET your plants flowering very quickly, the plants are utilizing key mineral elements that need to be replaced and the best way of redelivering these elements is to foliar mist plants leaves and flowers. GET has had a lot of request to increase flower sizes, which we have done, but, we need more oil content, okay okay! Back to the drawing board and formulate a product that increases oil content. Okay, here it is Umph Power, the elements within this bottle will cause your plants to secrete more oils! But you must first use Power to Bloom to increase flower size. Wait 4 days then use Umph Power to increase oils. By realigning the mineral elements, having them absorbing through the leaf and flowers, causes fast reaction on flowering plants to protect them self against outside elements, will create more oils.

Dip To Gro's unique properties hold moisture and minerals in the root zone - right where the plant needs to get a great start for growth. You can mix in your favorite rooting hormone or vitamin solution such as Power Thrive, for an added boost at transplant time, Dip to Grow will ensure that these solutions will not be washed away. Now wait, we are not finished yet with what this product can do! Used as a foliar spray Dip To Gro will slow down the evaporation of moisture through the stomata! Cuttings will benefit from the lack of water transpiring through leaves, since they have no root system to provide adequate water. And if the cell walls collapse to much they can not rehydrate themselves. So use with confidence that your cutting success rate will improve.



The Rinse Solution leaches nutrients out of plants that are a week away from harvest. As a result a superior taste is created leaving behind that all too familiar bitter nutrient taste. The Rinse Solution is formulated with vitamins, sugars and carbohydrates to promote plant growth while maintaining plant vigour. Normally when we flush our plants with plain water, the plants must use stored up sugars, carbohydrates and vitamins, depleting the much needed elements required by the plant to fuel itself for the final week. The idea is to supply the plant with enough fuel and energy while at the same time forcing it to utilize the fertilizer salts that are still within the plant. The result is a plant that remains healthy during it's rinse period but at the same time leaching out the nutrients to create a superior tasting product.

Get the power of NEEM working for you! Sprayed on plants it provides a plant with a natural shine. NEEM is derived from the Azadirachta Indica tree which grows in Asia and Africa. The Azadirachata Indica or NEEM tree is truly a hardy tree that has many characteristics that bugs do not like. Neem is a medium sized to large tree characterized by its short, straight bole, furrowed, dark brown to gray bark, and dense rounded crown of pinnate leaves. The oil from the seeds is cold pressed, strained of foreign particles and stored cooled. The Neem seeds, Barks, Leafs, are the sources of various Neem extracts. Neem has been in use for centuries in the Indian Agriculture as Best Natural Bio Pesticide and organic fertilizer with pest repellent property. Neem comprises of 40 different active compounds called Tetranortriperpernoids, or more specifically liminoids. These liminoids create hormonal disruptions and prevents the insect from Feeding, Breeding or Metamorphosing. The Chief ingredient of Neem is Azadirachtin, a tetranortriterpenoid. It exhibits antifeedant, insect repellent and insect sterilization properties. The Azadirachtin does not work on the digestive or nervous system, it acts on the hormonal system of the insect pests and thus does not lead to development of resistance in future generations.



KELP is an all-natural plant food alternative. Island farmers have been going to the sea for 100's of years to gather kelp. Once the sea salt is washed out, the kelp is dried and spread out on the fields. Now us mainlanders can take advantage of the Power of the Sea. Kelp is one of the fastest growing plants on the planet. Be assured that your plants can use this potential. It works and it's cheap, so mix some in to your soil today before planting. Mix Kelp Powder with soil growing medium, once plants are growing and you would like to add more Kelp use the Sea Power kelp. A liquid that easily dissolves into water, making reintroducing Kelp very easy.