



Litro Grow

Litro Grow Nutrient | Litro Glow Lamps | Litro Nite Film

Litro Grow proudly presents the first Nutrient Plant Food, tested and approved, to be the safest, most reliable option to synthetic chemical growing.

You probably recognize the numerical value printed on all fertilizers (Example: 15-15-15, 15-30-15, etc.). These numerical values represent the percentage amounts of Nitrogen(N), Phosphorous(P), and Potassium(K) utilized in the fertilizer. Most synthetic/manmade fertilizers are concentrated heavily with N-P-K, usually above 1%, or substantially more! Organic fertilizers usually maintain a percentage of less than 1% N-P-K, usually contributed from organic resources, creating a natural format of N-P-K. N-P-K scientifically has been proven to be the essential growth ingredients naturally formulated in soil. With repeated growing on the same cropland year after year, these naturally formulated chemicals are depleted. Past performance has shown an enormous increase in N-P-K utilization, mainly due to the over usage, or non-rotational usage of most cropland.

In the past, it has been general mindset to justify the usage of manmade synthetic fertilizers to enhance or simply stabilize the growth endeavors for general plant growth, flowered foliage, trees, cropland, even grass. With this chemical utilization over the past 50+ years, certain attributes of human growth patterns have not only shown the potential hazards of chemical ingestion, but certain areas of our country are beginning to recognize the unfortunate growth issues presenting themselves in nature as well.

With the introduction of Litro Grow, we have now eliminated any and all reasoning for the utilization of these hazardous chemicals. Litro Grow has not only been proven to grow with great results, but leads the industry in plant health recovery. Numerous studies and applications have shown Litro Grow to be the most suitable nutrient for cropland recovery.

Litro Grow will give you that Green Thumb you've been looking for all your life. Once you start using it, you will never use anything else!

Litro Grow can be used as a Foliar Feed or as a Root Feed indoors or outdoors.

To Foliar Feed outdoors, use a hose-end sprayer or a tank type sprayer. Litro Grow will be absorbed right through the leaves as soon as you spray it on. You may actually see changes in only one day. It's that fast!

Litro Grow adds a whole new excitement to gardening.

HOUSEPLANTS:

- Use one ounce (two tablespoons) of Litro Grow to one gallon of fresh water.
- Use this mix each time you water your houseplants.
- Also spray the leaves with the same solution for optimum results.
- Each time you water your plants and spray their leaves you will swear that you can hear your houseplants thanking you. You'll see!

OUTDOORS:

- Foliar Feeding or Root Feeding once a week, outdoors, is ideal. A hose-end sprayer works best and is the most economical method.
- If a plant, tree, bush, or vine is struggling to survive, then feed it more frequently, until it takes on the health and strength that pleases you.

AGRICULTURAL SPRAY APPLICATION

- Use one ounce (two tablespoons) of Litro Grow to one gallon of fresh water.
- For Health Care/Recovery use two ounces (four tablespoons) of Litro Grow to one gallon of fresh water.
- Recommended nozzle spray rate of 4 gallons per acre.



FORGET EVERYTHING YOU'VE EVER KNOWN ABOUT FLUORESCENT LIGHTING

Welcome to a new chapter in the grow light industry as Litro Glow lamps are about to take everything you have been taught about plant lighting and throw it out the door. Litro Grow fluorescent lamps will provide you with unrivaled growth production and health benefits never before seen in the lighting industry. Imagine options like low power consumption, low heat, Clean Spectrum, and a unique afterglow effect all combined into an energy saving T-8 format.

Litro Glow lamps are similar to regular fluorescent lights in respect to installation only. No special ballasts or fixtures are required. Just install the Litro Glow lamps in your regular fluorescent fixture and you are ready to grow. Unlike normal fluorescent lamps, Litro Glow has almost a 3-4 times longer lifespan, mainly due to the increase in electrode filament sizing, accommodating not only 120VAC but 240VAC as well.

LITRO GLOW VS. HID

For years, HID lighting was considered to be the only option for the indoor gardening industry. HIDs are considered to be a great light, but come with a slew of problems including high electric bills, astronomical grow room temperatures, the need to have multiple lamps for vegetative and flowering cycles, and high startup and maintenance costs. The real problem lies within its inefficiency at the spectrum production wavelengths compensated with heat.

It is believed by many growers that lumens were what really mattered for plant production while never touching on PAR. Lumens, in general, are meant for humans. Lumens are measured in candela, or foot candles, meaning the light output is measured in a comparison to how many candles it takes to make that much light. This is great to keep humans from losing eyesight while reading, but it is not what a plant needs. Plants measure light in PAR, photo-synthetically active radiation. PAR is measured in micro-Einsteins, with the usable radiation being in the 400nm-700nm or blue to red spectrum.

The problem with HID lighting is that the more wattage equals more heat, so whatever the PAR is, it is then negated by the high ambient temperatures. High temperatures cause the placement of the light to be further from the plant, thus limiting the useable light reaching the plants. This can cause the rate of transpiration to increase excessively, shutting down photosynthesis.

Transpiration is the rate in which the leaves excrete water from the root zone in order to build food from carbon dioxide, minerals, and water. The process happens through groups of cells on the leaf called stomato. Stomatos open an hour after light comes on, and can close instantly when thrust into darkness. It is a survival response to prevent dehydration. When there is too much heat, not enough humidity, too high or low of co2 content, and bad water to nutrient ratio, it will in turn cause the stomatos to close and slow the growth of the plant.

Therefore, when using Litro Glow lamps and utilizing their low heat production, you can be more successful in growing by controlling the leaf temperature which will allow for optimal stomato opening. The low heat feature will allow growers to keep the Lamps closer to their plants, thus more useable light will actually reach the plant.

By keeping the lights closer, growers will find that their node spacing will become shorter and more plentiful, and keeping the plants stretching at the rate the grower actually wants. Low heat helps growers to maintain optimal atmospheric requirements. When transpiration is not endangered, plants will actually grow faster allowing for more nutrient and co2 uptake, giving us bigger plants in a shorter time.

Litro Glow lamps are also one of the few lights on the market that are Clean Spectrum. Clean Spectrum means that you will grow with one lamp for the whole life cycle of the plant. Basically, you will never buy a vegetative or flowering lamp again. The two-lamp process is an inefficient system. When you look at the spectrum of standard vegetative and bloom lamps, you will notice series of peaks and valleys in the system. Typically this



comes from harmonic distortion in the lamp, and once again the spectrum inefficiencies are compensated with heat. Grow lamps are usually in the 6500k, or the blue spectrum, while bloom lamps are usually located around 2900k, or the red spectrum. It is very rare to find a lamp like Litro Glow that can find a harmonic balance that offers a spectrum with no peaks and valleys from the 6500k-2900k range with low wattage powering it. This lamps spectrum is so unique that when you turn your lights off it will have an EAL (emergency afterglow lighting) effect, similar to a sunset. A cool neon blue color, along the blue-green spectrum, will come on allowing growers to do work like foliar feeding and pesticides after the timers are off. This afterglow effect will not impede your plants growth, in fact, some believe it helps aroma and essential oil production.

Let's review what we have covered on Litro Glow lamps so far. The lamps can be used with any standard T-8 fixture and use very low wattage, giving us low start up and maintenance costs. A grower only needs one type of lamp for the whole life cycle of the plant and the light will last 3-4 times longer than standard lamps. We learned about transpiration and how optimal atmospheric conditions, along with the correct lighting, lead to happier, more robust plants that smell and taste better. Atmospheric conditions can be kept at optimal levels without the use of high powered air conditioning or noisy in-line fans because of low heat production. Growers can keep the lights closer to the plants and have more control over size and rate of growth. Plants can actually touch the lamp and never burn.

One final thought: Litro Glow lamps are only limited by the creativity of the grower. In testing Litro Glow lamps, it has been found that these lamps work well when suspended from ceilings, but also horizontally and vertically on walls. Also, don't limit these lamps to inside use only. They are great for supplemental lighting in greenhouses and outdoors for those growers who need help.

SPECS

- Bulb Type: T-8
- Life: 36,000 hours
- 25 Watt
- 110 VAC
- 5000° K Clean Spectrum Illumination
- Standard and Custom Sizes and Types
- Non-Radioactive
- Eco Friendly
- Cool To The Touch
- 490 nm Spectrum Glow Effect
- Horizontal and Vertical Applications
- Energy and Maintenance Savings
 - Energy Saving T-8 Format
 - Powerless Afterglow Phosphor Blend





LITRO GROW IS PROUD TO ANNOUNCE GREEN HANDS OF ALOHA AS AN AUTHORIZED DISTRIBUTOR.

Green Hands of Aloha is the number one hydroponic store in Hawaii and is located in Honolulu, HI. Green Hands of Aloha distributes all across across the United States to homes and businesses alike. Green Hands of Aloha strives to stay green, educate the masses, and provide an outstanding customer service to our clientele. Trying to make the world better one day at a time.

For more information about our Litro products or to purchase Litro Grow and Litro Glow lamps, please visit GreenHandsOfAloha.com.

Store hours: seven days a week from 10:00 am to 7:00 pm Hawaii-Aleutian Time Zone.

CONTACT INFORMATION / CUSTOMER SERVICE

Please talk to Tom, Aron or Carlos for any customer service needs.

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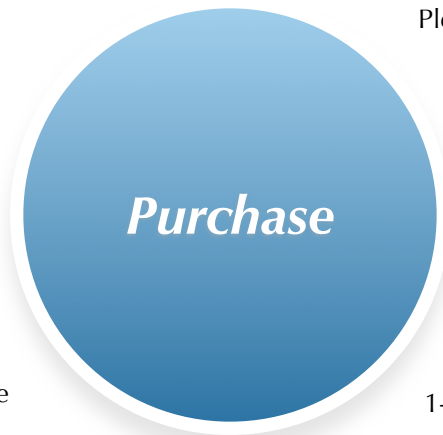
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