



LIQUID LIGHT QUESTIONS ANSWERED

Q: When Liquid Light is mixed with Penetrator, does the final solution need to be pH balanced before spraying on my plants?

A: No. Do not adjust the pH when mixed with Penetrator, it is ready to spray with no pH adjusting. If the pH seems high (around 8 or 9) this is perfectly normal and will not affect the performance of your spray or harm your plants. In fact if you adjust the pH you will affect the performance of both Penetrator and the solution you are spraying.

Q: Is there a grow and flower Liquid Light?

A: No. Liquid Light is a single product designed for both grow and flower that will significantly increase the amount of light your plant can process. This massive boost in light processing power dramatically increases your plants ability to fully utilise the immense power of GOLD nutrient.

Q: Can I spray Liquid Light all the way through grow and flower?

A: You can spray Liquid Light all through grow but we recommend only for the first 4 weeks of flower as spraying after that time can sometimes result in mould or fungus problems particularly with the large dense flowers that GOLD is designed to deliver!

Q: When should I start using Liquid Light?

A: For the absolute best results Liquid Light should be used as soon as your plants have rooted but the use of Liquid Light at any stage up to week 4 of flowering will provide benefits to your plants. Obviously the sooner you start using Liquid Light the better your end result will be.

Q: How long will it take for me to see results on my plants when spraying Liquid Light with Penetrator?

A: Normally you will see some serious action happening within the first 48 to 72 hours and certainly you should begin to see results within 1 week. The improvements in growth and development are better the longer you use the products. We recommend for best results that you use Liquid Light and Penetrator from the beginning of week 1 in your growing program.

Q: How often should I use Liquid Light?

A: Liquid Light should be used twice per week or for the aggressive gardener after high octane results every second day.

Q: Can I use Max-FX and Folitech with Liquid Light?

A: No. As Liquid Light is a next generation foliar product based in part from those first generation technologies developed for Max-FX and Folitech, there is simply no need to use these products together. Liquid Light already contains the base technologies from both these products but in more advanced and highly developed state. Liquid Light is much more than just an improvement on the Max-FX and Folitech technologies. Liquid Light also contains a radical new suite of super powerful technologies that work with our existing, improved technologies to deliver explosive growth and development on a scale never seen before! . Liquid Light can quite literally turn a bucket of manure into a super nutrient – it's that powerful! Try it and you will see exactly what we mean!

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Q: Are the PPM measurements on your nutrient calculator based on the EC 500 or EC 700 scale?

A: Our nutrient calculator values are based on the EC 500 scale which most closely approximates conductivity in a nutrient solution. There are 2 so called "standards" with respect to converting EC to PPM. Each one is based on the type of calibration solution used. The EC 500 conversion uses a calibration solution of Sodium Chloride (NaCl ,) that most meter manufacturers use and the majority experts agree, most closely approximates the conductivity of a hydroponic nutrient solution. The NaCl conversion is approximately 500 x EC (in Millisiemens) hence its nickname of EC 500. The EC 700 scale is used less frequently and mainly in the United States, if at all. The EC 700 scale used to be known as the 442 conversion scale due to the composition of its calibration solution. (40% sodium sulfate, 40% sodium bicarbonate, and 20% sodium chloride). This type of calibration solution is rarely available today as most meter manufacturers use an NaCl calibration solution (EC 500). As Individual nutrient ions have different conductivities, the true ppm of a solution can only be 100% determined by a chemical analysis. For the hydroponic enthusiast this PPM conversion (EC 500) will provide you with a good indication as to the strength of your nutrient solution.

Q: Why does rusting or brown spots sometimes occur on my leaves a few days after spraying Liquid Light?

A: The most common cause of this spotting is by using Liquid Light without Penetrator, or the correct amount of Penetrator. Penetrator is essential for quickly and efficiently delivering Liquid Light inside your plant. By not using Penetrator, or the correct amount of Penetrator, you dramatically increase your risk of spotting occurring. If you are using Liquid Light with the correct dosage of Penetrator then the chances of this spotting occurring is very, very small. If it does occur, these small spots are nothing to be concerned about and should not affect the growth or health of your plant in any way. These spots result not from Liquid Light itself but rather from the presence of certain airborne bacteria that can be present in the growing environment. The complex carbohydrates in Liquid Light can, under certain circumstances, such as not using the correct amount of Penetrator, act as a food source for these bacteria. The small brown coloured spots that appear, do so as a result of the plant successfully protecting itself from the bacteria. Plants are very efficient at protecting themselves from all types of airborne bacteria and only in the rarest of situations do they suffer any health or growth effects as a result.

Q: Why do my leaves sometimes bend when I am using Liquid Light?

A: When Liquid Light speeds up the photosynthetic process, the plant begins to produce much higher amounts of sugar and fixes (bonds to the plant) a lot more Co2. This process can sometimes lead to an accumulation of metabolites inside the plant that can cause some minor leaf twisting or bending. This twisting or bending is nothing to be concerned about and it certainly does not affect the amazing performance of Liquid Light in any way. In almost all cases the bending or twisting resolves itself within 24 hours as the accumulation of metabolites are utilized by the plant.

Q: When should I spray Liquid Light; with the lights off or on?

A: Liquid Light should only ever be applied with the lights on! As Liquid Light supercharges photosynthesis over 60 percent above normal, it needs light to work. The best time for Liquid Light to be applied is shortly after your lights come on. Remember to always use Penetrator with Liquid Light and ensure that your lights are no closer than 15 inches from the tops of your plants to prevent light scorch (a type of burn).

Q: How long can you keep Liquid Light and Penetrator after they've been mixed? do you have to use them straight away? or can you mix up enough to last a month?

A: You can safely keep the mixed up and ready to spray Liquid Light and Penetrator solution for up to 1 week. If you are storing made up spray it must be kept in a cool dark place. If this solution is stored for any longer than a week you risk the possibility of bacteria building up in your made up solution. Bacteria can cause plant health issues if the bacteria grow into large colonies

