



# Quantum Growth™

Harnessing Nature's Energy™

## Frequently Asked Questions (FAQs)

### **Q. How does Quantum Growth save water?**

- A. The 48% reduction claims come from our laboratory bench experiments. The water reduction you will see will be determined by your soil types. Some soils will hold more water and some will hold less.

A plant can be a wick or a sponge. When the plant is too dry, the microorganisms catch water as the plant exhales through the root system – turning it into a sponge. When there is too much water the microorganisms move water away from roots so the plant can breathe. Rarely do we see just the right amount of water. Usually we have too much or too little. Quantum Growth helps the plant in either situation.

### **Q. How does Quantum Growth prevent run off?**

- A. The microorganisms in Quantum Growth take the chemicals in fertilizer and use them to build plant mass as well as increase their own populations. The microorganisms take Nitrogen and make protein. They take Phosphorus and make Adenosine triphosphate. And, they take Potassium and make electrolytes. When the chemicals are used in this matter, they are bound in the plants and the microorganisms and do not run off into water.

### **Q. How does Quantum Growth benefit the soil?**

- A. Soil is often depleted of microorganisms by excessive use of pesticides, herbicides and overuse of fertilizer. Tilling the soil and harvesting further depletes populations. Therefore, it is necessary to return microorganisms to soils, thus restoring balance. Quantum Growth helps hold soil particles together, retain water and retain nutrients.

### **Q. How does Quantum Growth produce healthier plants?**

- A. Plant food is sugar, not fertilizer. The microorganisms in Quantum Growth use light from the sun and carbon from the air to make sugar. Plants then consume this sugar and use it to grow and stay healthy. Plants also make their own sugar to grow, but the microorganisms in Quantum Growth make sugar more than 10 times faster than the plants. Therefore, the plants do not have to work as hard to grow and stay healthy.

**Q. How does Quantum Growth reduce the need for fertilizer by up to 50%?**

- A. The microorganisms in Quantum Growth consume fertilizer quicker than a plant can. When fertilizer is applied with Quantum Growth, the microorganisms consume the fertilizer and move into the circulatory system and the root zone of the plant. That is where they live. So, when they die, the fertilizer they consumed becomes readily available to the plant. Therefore, you can use less fertilizer because the microorganisms are going to quickly and efficiently move the fertilizer into and around the plant. The fertilizer does not have a chance to wash out or volatilize because it is not sitting there for days waiting for the plant to use it. Our laboratory tests show that half rate fertilizer used with Quantum Growth® works best.

**Q. Can I make a stock solution with Quantum Growth**

- A. Yes. When using Quantum Growth in a stock solution like a watering can, use the product within two days. If the stock solution can be sealed in a container, then it will be stable for 30 days. When longer storage of watering solutions is desired, Quantum Growth® can be sealed and refrigerated for 90 days. Always remember to reseal the Quantum Growth® bottle and the stock container after use. This is what makes the microorganisms inactive.

**Q. How many microorganisms are in each gallon of Quantum Growth**

- A. Each gallon has over 200 Billion microorganisms. This product was originally designed for commercial agriculture and is super concentrated. A little goes a long way.

**Q. How is Quantum Growth different from other biological products?**

- A. Quantum Growth is different from other biological products for the following reasons:
1. Photosynthetic microorganisms
  2. Stable formula of vegetative cultures
  3. Shelf stable for 3-5 years
  4. Super high count of microorganisms (200 Billion per gallon)
  5. Production method provides product with consistent results
  6. Contains no fertilizers or supplemental amino acids

No one else is selling photosynthetic microorganisms. Quantum Growth also contains other vegetative cultures that work together as a team. It is not just one type of microorganism doing the job, it is +30. The breakthrough is not that scientists and universities have figured out what these microorganisms do, but that they can be made shelf stable for 3-5 years. The unique, proprietary blend of microorganisms combined with a novel production process generates extremely high populations. Due to Quantum Growth's pharmaceutical production process, each bottle of Quantum Growth is consistent and provides consistent results. Because Quantum Growth® contains no fertilizer it is easy to use with your favorite fertilizer or potting soil containing fertilizer. You don't have to worry about fertilizing twice. Quantum Growth makes the most of the fertilizer you do use.