

## **10 REASONS TO LOWER THE EC AND ELIMINATE CHLORINE FROM YOUR WATER**

### **1 - MORE NUTRIENTS FOR OUR PLANTS**

Keep in mind that our plants can receive an EC of up to 1,4 to 2,2, according to the type of plant or growing stage. If, for example, the water we use has an EC of 1,0 then we will ONLY be able to add from 0,4 to 1,2 of nutrients to reach our maximum levels. If on the other hand, we start with an EC in the water of only 0,1 or 0,2 or even an EC of 0,0 then we will be able to add much more nutrients to our plants.

### **2 - HEALTHIER ROOTS**

By lowering our EC we eliminate salts that we don't want in our water. This will give us healthier roots, by avoiding lime scale build up in the roots and they will be able to absorb 100% of the added nutrients.

### **3 - PROTECT OUR SOILS**

We know that soils contain Beneficial Microorganisms whose function is to protect plants roots, by keeping them clean and healthy, so that they have maximum ability to absorb nutrients and fertilizers. However, when we water our plants with chlorinated tap water, the chlorine, a chemical, kills off our beneficial bacteria that is present in the soil. Chlorine will also burn our plants delicate uptake roots.

### **4 - MAINTAIN A BALANCED pH**

By using a garden reverse osmosis system to lower your water's EC, we achieve a balanced pH, as RO water has a pH of approximately 6,5.

### **5 - AVOID NUTRIENT LOCK OUT**

A high EC may contain larger quantities of hard water minerals, like calcium and magnesium, also known as limescale. High amounts of these minerals, together with added doses of nutrients, can BLOCK or saturate plants roots, prohibiting them from absorbing the added nutrients, which is also known as "nutrient lock out".

### **6 - PROTECT OTHER MICROORGANISMS**

In the case that we have to use specialized microorganisms (for example to kill worms or other parasites, etc.), it will not make sense if we water with chlorinated water, because the chlorine will kill these microorganisms that we have just purchased.

### **7 - AVOID GROWING PROBLEMS**

Many times we encounter small problems or challenges with our plants and gardens, without knowing where some of these problems come from (yellow, dry leaves, burnt tips, stunted growth, etc). Professional growers assure us that if we begin growing by using a low EC water, many of these problems can be avoided, as we will know EXACTLY which nutrients and what quantities our plants are receiving.

### **8 - ACHIEVE BETTER RESULTS FROM OUR NUTRIENTS**

By starting with PURE WATER, our plants will not absorb any undesirable elements that can be present in the water and therefore we will achieve a 100% effectiveness out of our added nutrients and fertilizers.

### **9 - PURE WATER IS THE FOUNDATION FOR GROWING**

Just as a house must be built with a good, strong foundation, you must also start with PURE WATER to have a strong foundation for GROWTH. Knowing that we start with a clean, chlorine free, low EC water, is the right way to help our plants to GROW TO THEIR FULL POTENTIAL!

### **10 - QUALITY WATER FOR US AND FOR OUR PLANTS**

Finally, one simple question. If for our own personal drinking water we prefer a clean, quality, and chlorine free water (often bottled), why wouldn't we give the same water to our plants? They also DESERVE QUALITY WATER!