



*Because Water Matters*

## Effective Application on Lettuce

The use of HydroCor (OB50) for Lettuce was used in San Luis Obispo and Santa Barbara Counties California, USA. HydroCor (OB50) was applied to 1 acre Denali/Declaration Iceberg Lettuce. An Irrigation schedule of 1 hour every 3 days X 3 sets (germination to thin), then 3 hours each week until thin, and last two hours of weekly set through harvest. The foliar application was applied at a specific rate for 21 days through 45 days. The length of discovery on our results was a period of 100 days. The application of watering was 6 hours every 2-3 days (germination), 3 hours each week until thin, last 2 hours each week followed. The results on the lettuce were good but could have been much better. The yield was average 1400 lbs. per acre more than the control acres. However, the collective view was that it should have been 3200 to 4500 lbs., but for an issue with Sclerotinia. This caused the heads to be thrown off. Had we known about the Sclerotinia earlier, we would have adjusted our treatment protocol. We believe that preventative measures in handling this fungus would have shown a much more favorable result. If you have had Sclerotinia or other fungal infections in the past, it is very important that you let us know, prior to formulating a treatment protocol. Remember, that it will take patience and time to remediate the area. Fungus does not grow in minutes and we cannot solve the issue in minutes. While Sclerotinia attacks only lettuce, Sclerotinia S. Scelrotiorum (white mold) is even more aggressive, and a major threat to crops, ie: broccoli, cabbage, cauliflower, carrots, beans, tomatoes, etc. We suggest that a remediation could take up to 4 years in wet soils, however, the speed of recovery could be faster with crop rotation. If we apply our higher oxygen level products, the process could be shortened immensely. However, remember if you look at the picture below, we still had a better yield even though the problem existed. I would say we did our job very well, despite the challenging circumstances we faced.

### Lettuce after our application



HydroCor (OB50) is a unique water treatment & purification system that has been for many years. Our "Premium Quality" Product is stabilized to give it better efficacy. It also has a proprietary formulation and is custom-made to fit your unique water needs. Our product helps disinfect and keep your plumbing clean and unplugged. With the addition of our stabilizer you will see long-lasting efficacy and protection for your pipes against corrosion. It also helps bind and tie up contaminants, while softening your water up to 25%.

By using our application formula in your water you will see results of improvement, however, the observations listed above are from specific situations, based on their own unique results and experiences. All water is different; every environment is different; every operator is different; and of course, every soil and seed is different.

We cannot guarantee you will see any specific result listed above. But what we can guarantee is that you will immediately have clean, clear, nutritional water, and in a very short time, better results than without our applications. When your plant and soil have healthy, nutritional water it's a good start. Raising the oxygen levels will further contribute to your overall production success. Application rates vary from operation to operation. For well-designed application rates, contact the Distributor in your area. If there is no Distributor, please contact us directly. Note: This is not a "magic bullet" solution. Our customized formulation, procedures, and protocol depend on many factors, and available exclusively to our customers.

*If this makes sense to you, please give us a call; we would love to have you as a customer.*

**CLEAN ~ CLEAR ~ NUTRITIONAL WATER IS OUR PASSION!**

*Note: There are hundreds of kinds of bacteria, specific to your crop, soil, and geographic location. We have not tested our products on all of them. However, we have the products, equipment, knowledge and resources to help you treat your specific bacterial issues.*

# HYDR COR

*Because Water Matters*

## **Building Blocks of Water (& Life!)**

**H<sub>2</sub>O = 2 molecules of Hydrogen + 1 molecule of Oxygen**

### **Hydrogen:**

Hydrogen makes up 90% of the matter in the known Universe. Without hydrogen to combine with oxygen, we wouldn't have water. Water is formed when hydrogen is burned by oxygen. We create pure water every day as a product of our metabolism. When we burn hydrogen in our cells, the energy that is released is used to run our bodies.

Oxygen burns hydrogen in the living system, releasing the energy that runs our bodies. **Hydrogen is "the fuel of life"** and is essential to most biological processes in its atomic form, including hydrating our cells. In the absence of an adequate supply of hydrogen, intracellular function, inter-cellular communication and energy production are inhibited; toxins and free radicals accumulate and health deteriorates."

### **Oxygen:**

Oxygen acts as a disinfectant, deodorizer, sanitizer & preserver. All functions of our body are regulated by oxygen. It must be replaced on a moment to moment basis because 90% of our life energy depends on it.

Oxygen energizes cells so they can regenerate. Our body uses oxygen to metabolize food and to eliminate toxins and waste through oxidation. Our brain needs oxygen each second to process information. In fact, all of our organs need a great deal of oxygen to function efficiently. The ability to think, feel, move, eat, sleep and even talk all depends on energy generated from oxygen. **Oxygen is 'the Life-Giver'**

Oxygen is the only element capable of combining with almost every other element to form the essential components necessary to build and maintain our bodies. The combination of oxygen in the air, water, proteins and carbohydrates creates life energy. **Without oxygen there would be no life**

### **Water - the 'Ocean of Life'**

All chemical reactions in the body take place in water. Every cell in the body is bathed in water, which contains materials to keep them vibrant.

Water is the transporter of nutrients and **oxygen** for proper function of the body's tissues; it helps remove waste from the body; it acts as a natural air conditioner through perspiration; it's essential for digestion and absorption of vitamins and minerals. Water keeps our skin moist and supple, and is a natural lubricant for our joints and internal organs. It is involved in every one of our bodily functions, so it's hardly surprising that dehydration can lead to mental and physical breakdown. Over the course of an average day, the body loses approximately three quarts of water through breathing, perspiration and elimination. This fluid must be replaced or muscle cramping, dehydration, or heat stroke may take place.

The growing pollution in our modern day world is having an increasingly detrimental effect on our drinking water, and consequently on overall health. Hazardous chemicals like mercury, lead, arsenic, cyanide, aluminum, phosphorus, and pharmaceuticals are getting into the water system every day, along with chlorine and fluoride, added by municipalities to treat water. E-coli, total coliforms, iron, lead, manganese, nitrates, nitrites, sodium, sulphates, and total dissolved solids, further add to the load of toxins that our bodies try to eliminate.

**Without water to carry oxygen and other vital nutrients, life could not exist**

