

*We can repair the climate and change the world by building healthy soil, healthy air.*

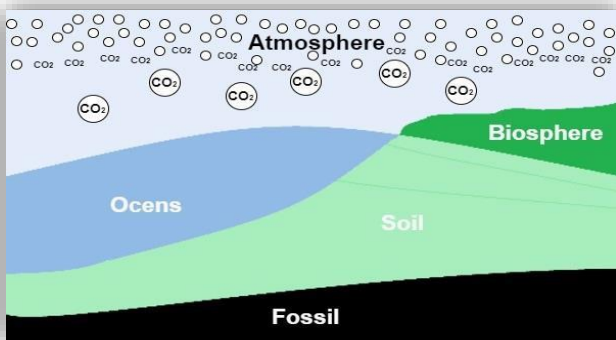
# SOILOXY

FUTURE OF AGRICULTURE

## Know Soiloxy

The entire world feel hopeless about the climate change and the damages we are doing to our planet.

Yes at [Watch-Water](#) we are all concerned about our water, food we eat, and the air we breathe. We will show you the rest of the world how we have found a way to solve this problem and the solution is **RIGHT UNDER OUR FEET**. Climate change is all about due to excessive release of carbon in our atmosphere, and this carbon is not our enemy but a building block of our life. Everything alive is made of it, its' us. The problem and solution are simply a matter of balance. Let's step back and look at the Five Pools where the carbon is stored on our planet Earth. Starting back 500 Million years when plants appeared on earth. Carbon began to cycle with an amazing balance, a balance that allows for life as we know it to evolve.



Then one life formed us, and we figured out how to extract carbon from the **Fossil Pool**. We started to burn it for energy by putting it into our daily life and disrupting that balance of carbon cycle. The way we manage land and

## Know Life

agriculture for food by moving more and more carbon from soil and Biosphere into the Atmosphere and the total NR of this Carbon Dioxide is **950,000,000,000 giga ton's**. This is heating our planet and destabilizing our climate and natural cycle. The ocean have exceeded its absorbing capacity of carbon dioxide which is resulting in surface water becoming acidify, possible is to stop releasing **Carbon dioxide (CO2)** and bring back the natural balance. **Now the big question is, where do we put this excess carbon to get this cycle back in the balance?**



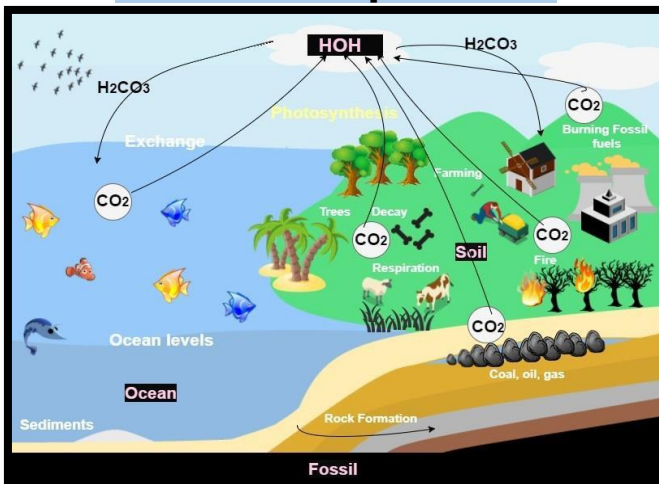
The acceleration of mass destruction of life is inevitable at this stage. Evidently to stop this ahead, we hope you remember the beginning of the **Soiloxy**. We mentioned the solution is **"RIGHT UNDER OUR FEET"**.

It literally is soil. All plants on this planet grow in soil and with the help of water and sunlight performing Photosynthesis. Plant's pull in Carbon from the air and turn them into Carbohydrates (sugar) and then these plants pump these **sugar** into the roots to feed microorganism who use this carbon to build **soil**. Sounds great but don't forget, these Microorganism need

# FUTURE AGRICULTURE

oxygen to live and everybody knows. **No life without oxygen.** Soil is full of life. Handful of soil has more living organism than there are people on the earth. Soil in other words is the stomach of the earth, consuming, digesting and cycling. oxygen Consuming Carbon and releasing oxygen.

## Scientific Explanation



Without oxygen and microorganism there will be no consumption of carbon. One gram of healthy fertile soil contains up to one (**Billion bacteria**) and most of these bacteria are Aerobic, meaning they require food. (Carbohydrates and Oxygen). Nature's living technologies and mechanism are amazing. Lack of oxygen changes sulfates to sulphides and the process of life dies but thanks to **Watch-Water** who discovered **Soilox**, mixture of important minerals and high content of oxygen.

As the soil pH drops **Soilox** releases oxygen to protect the soil's life. Release of oxygen brings **more and more** carbon into the soil and this is called carbon farming. This is regenerative agriculture and there is nothing more powerful and ideal product than **Soilox**. Unlike more carbon in the air and atmosphere, more carbon in the soil is good for world, nature and us. Oxygen rich soil is rich in carbon and also full of life. This means more nutritious food, healthy crops and this food view is for all nation's farmers and everyone that consume food

## Future Agriculture Extreme Low Oxygen in the Soils

Low Oxygen in the soil produce greenhouse gases. Oxygen in the soils is not vital to most soil organism, but its chemistry also affect the chemistry of the soil and the atmosphere above. In Agriculture and forest regions with very little Oxygen, for example, large amounts of the potent of greenhouse gas **Nitrous Oxide**, also called laughing gas, are produced via biogeochemical processes can then be released to the atmosphere. As per the study of the climate change, the highest levels of the Greenhouse Gas Nitrous Oxide ever measured in the soils of all agricultural lands and were found in only 100 meters over the earth's level. This can be attributed to processes and can deplete the plant nutrient **Nitrogen** from the soils, producing among other things in very large quantities.



Extremely low Oxygen (O) in the soils are called "**Dead Agriculture Zones**" which are uninhabitable for most agricultural products like wheat, rice and corn. Dead zones are areas of the earth depleted of Oxygen (O<sub>2</sub>). In addition to the environmental impact, dead zones are an food concern for commercial and agriculture, with very low Oxygen (O<sub>2</sub>) concentrations having linked the reduced rice yield in the Asia and other parts of the World.

Dead zones are most common where soils often have excess fertilizers and other chemical nutrients like phosphates. As the carbon sinks into the soil and decomposed by bacteria, which use up soil oxygen in the process. Without oxygen this process stops and carry these low - oxygen soils into the Dead Zones.

**"Dead Zones" - a growing disaster for food**

# WITH SOILOXY-CARBON BACK TO THE ROOTS

The newly discovered "**SOILOXY**" is unique, which in process form oxygen. The land where **Soilox** is used remains rich in Oxygen for some year's and this supports intense "Plant Growth" and with the help of bacteria in the deeper soils consuming the available oxygen decompose the sinking Plant and Carbon matter.

"From our measurements, we estimated that with oxygen in soils the growth of food is some **25 times** larger than in Oxygen depleted soil condition's".

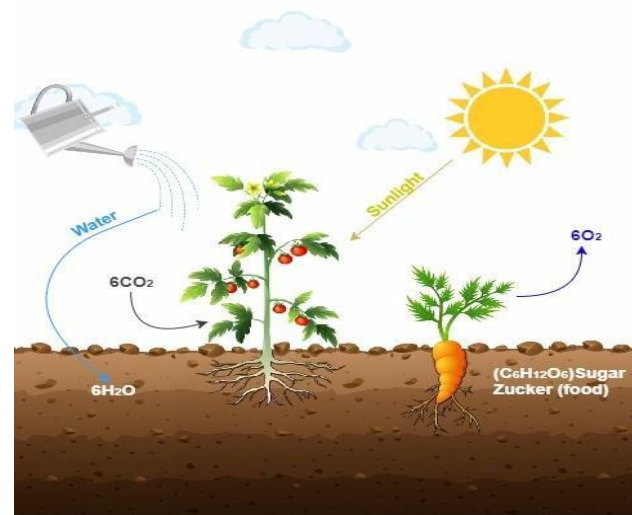
## Sweetening the carbon with Natural Solar Power

- Give plants the ability to adsorb CO<sub>2</sub>, water and nutrients and use them more efficiently.
- Speed aerobic and biological activities at high moisture conditions
- Increase total soil microbes population to reduce carbon and help to protect climate change
- Improve the hydraulic conductivity of the soil allowing more efficient movement of oxygen and nutrients. This effect is especially useful in soils with high phosphate and nitrates. (Heavy Soil)
- Soilox is activated by sulphides moisture and acidic conditions which initiates the regeneration of Active oxygen from the **Soilox** leading to the oxidation of poly hydrosulfides.
- Maintain and protect healthy plant roots
- Enhance enzyme diversity
- **Soilox** accelerate the natured attenuation of all contaminated soils, for soil amendment in agriculture, horticulture and forestry applications of oxygen and nutrients to microbes.

## Soilox Assisted Bioremediation

The growth of aerobic microorganisms by supplying them with oxygen, thereby allowing them to multiply faster leading to an increase rate of the contaminants what so ever.

**Soilox** is a mixture of minerals – HCO<sub>3</sub> (Bicarbonates to adjust pH) Preferable to 7-8 and a catalyst iron for adsorption of phosphates and nitrates including arsenate. All the formulation is based on granules for slow release of oxygen and nutrients to microbes.



The leaves of the plants are it's "**Chemical Laboratory**"

The produce sugar that is stored in it's root and **Carbon is Utilized** under our feet but without oxygen (**Soilox**) No sweeter future.

## Explanation

- Unlike people and animals, plants produce their own food via photosynthesis.
- To do this, they convert atmospheric (CO<sub>2</sub>) and water (H<sub>2</sub>O) into glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) with the aid of sunlight.
- Plants adsorb the co<sub>2</sub> dissolved in water from the carbonic acid H<sub>2</sub>co<sub>3</sub> and release oxygen into the atmosphere and the aquatic plants into the water.
- Iron in the ground adsorb excess oxygen presence in water and get rust. This process is called oxidation rusted iron release oxygen to microorganism to destroy (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) sugar