



Nature in a bottle

Carbon 2 Earth

The most effective method for large scale carbon sequestration.

Nature in a bottle.





Carbon & Agriculture

- Soil degradation from unsustainable agriculture has released billions of tons of CO₂ into the atmosphere.
- Land restoration is the prime solution for carbon sequestration and for climate change.
- World-wide, cultivated soils have lost 50% to 70% of their original carbon stock.
- There are 2,500 billion tons of carbon in soil, 800 billion tons in the atmosphere and 560 billion tons in plants and animal life.
- The absence of carbon and critical microbes turns soil into unproductive dirt.
- Natural carbon sequestration is a renewable resource capable of reversing climate change dynamics.

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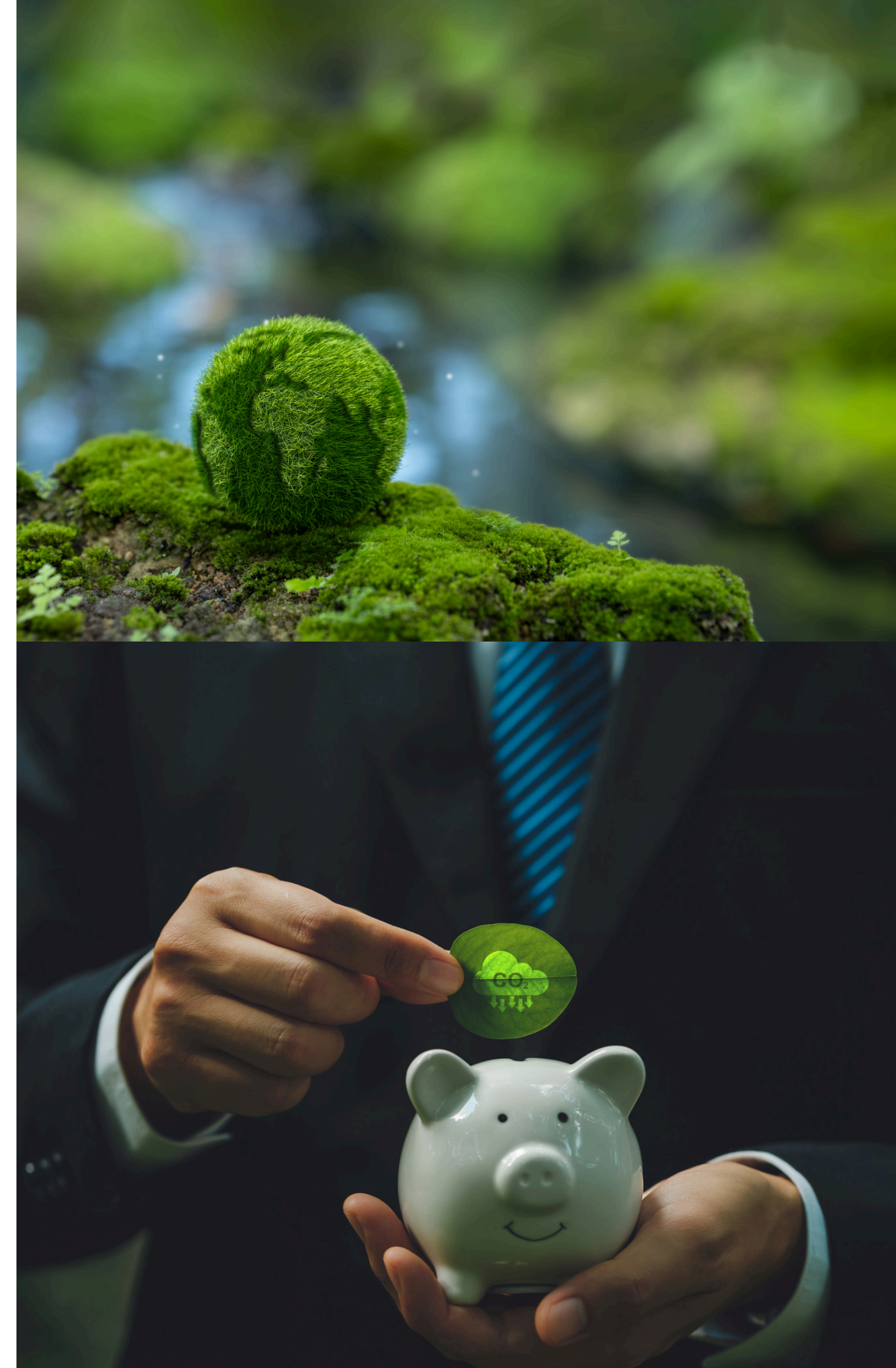


How does it affect you?

In soils subjected to intensive modern farming practices, there is a measurable decline in the soil microbiology - the lack of which leads to failed crops and decreased yields and plant health, resulting in an increased dependence on fertilizers and pesticides.

- **1 billion tons of carbon naturally sequestered in soil is equivalent to 4 billion tons of CO₂ emission.**
- **Using deep rooted perennial plants will secure carbon sequestration up to 30 meters depth.**
- **Grasslands can hold 20% of the world's carbon stock.**

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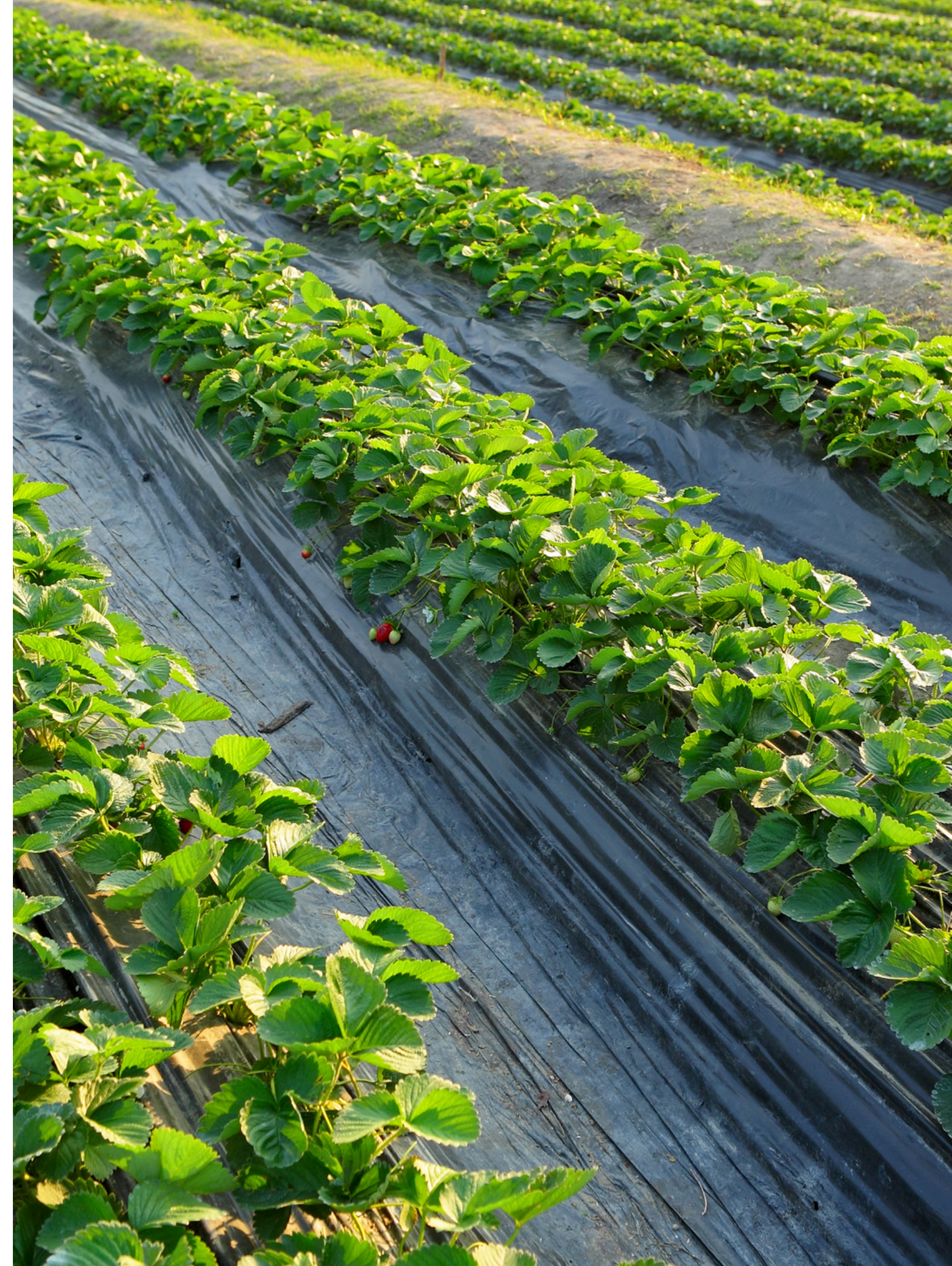


What do we do?

Our company specialises in extracting the 43 groups of bacteria, enzymes and fungi responsible for making humus in soil.

- We extract the biology from large trays with perfect earth, composted by us especially for producing the required microbial mix.
- No chemicals or additives are used, it's pure earth biology.
- The above mix is applied at a rate of 40 kg per hectare per year on all type of soils.
- It is safe, ecological, rapid and inexpensive.

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Application:

- Product is applied with any available irrigation system, such as mist sprays, pivots, bowsers or planters.
- Application in very poor soils may require larger doses.
- The product can be mixed with other wet fertilisers.
- No PPE required.
- Safe for all living creatures.
- Carbon fix is applied to all plants, such as grasses, crops, bush, flowers, trees & palms as we naturally enrich soil.
- Caution must be taken when applying to plants that thrive in poor soils, like cacti, proteas, etc.
- Application method and frequency remains the same.

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What does it do?

By making use of our product, you are essentially injecting the life and health of virgin rainforest soil into your farm - regardless of climate or soil type.

Remember, in a handful of healthy soil, there is more microbial life than all the humans on the planet.





Carbon Sequestration & Credits

Carbon2Earth has had exceptional results in Carbon Sequestration trials - verified by International 3rd party labs, and approved by a major international Carbon Credit regulator.

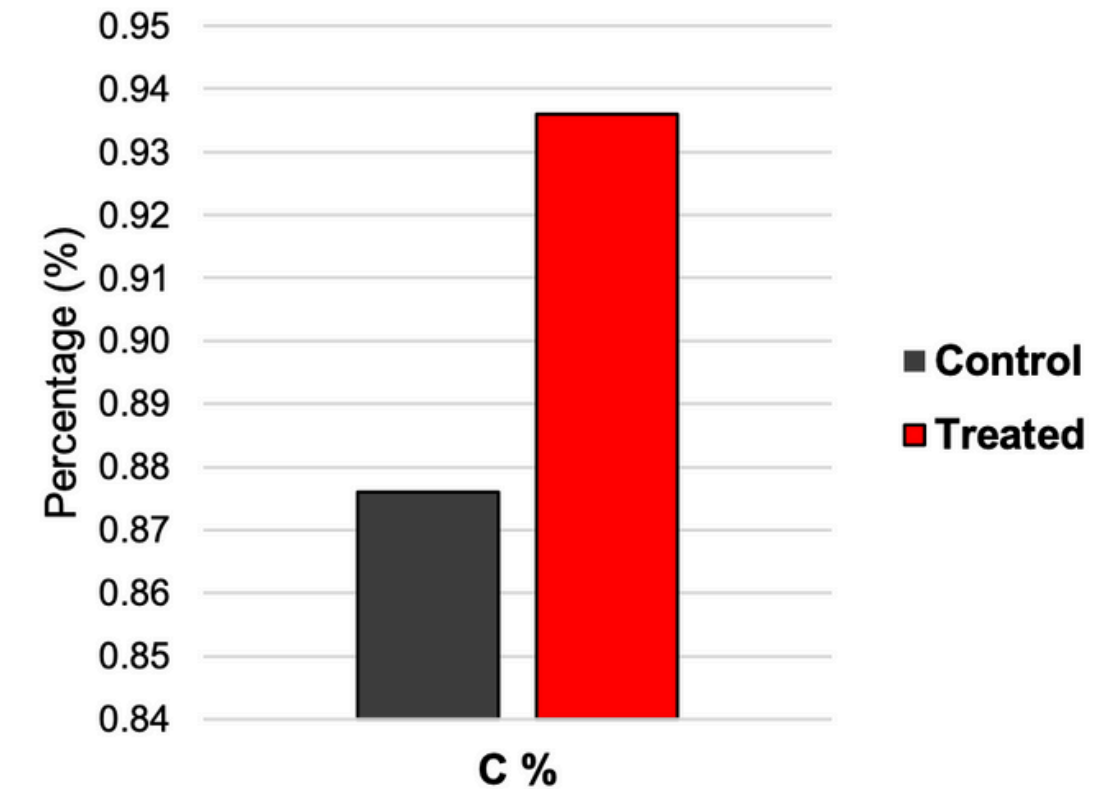
The results seen in the graphs on the right, show the increase in both Carbon content and Organic matter content in soil treated with a single dose of Carbon 2 Earth.

Verified results show a capture of 31.4 tons of Carbon per hectare of treated soil, over a period of 18 months. This translates to over 120 tons of CO₂ sequestered.

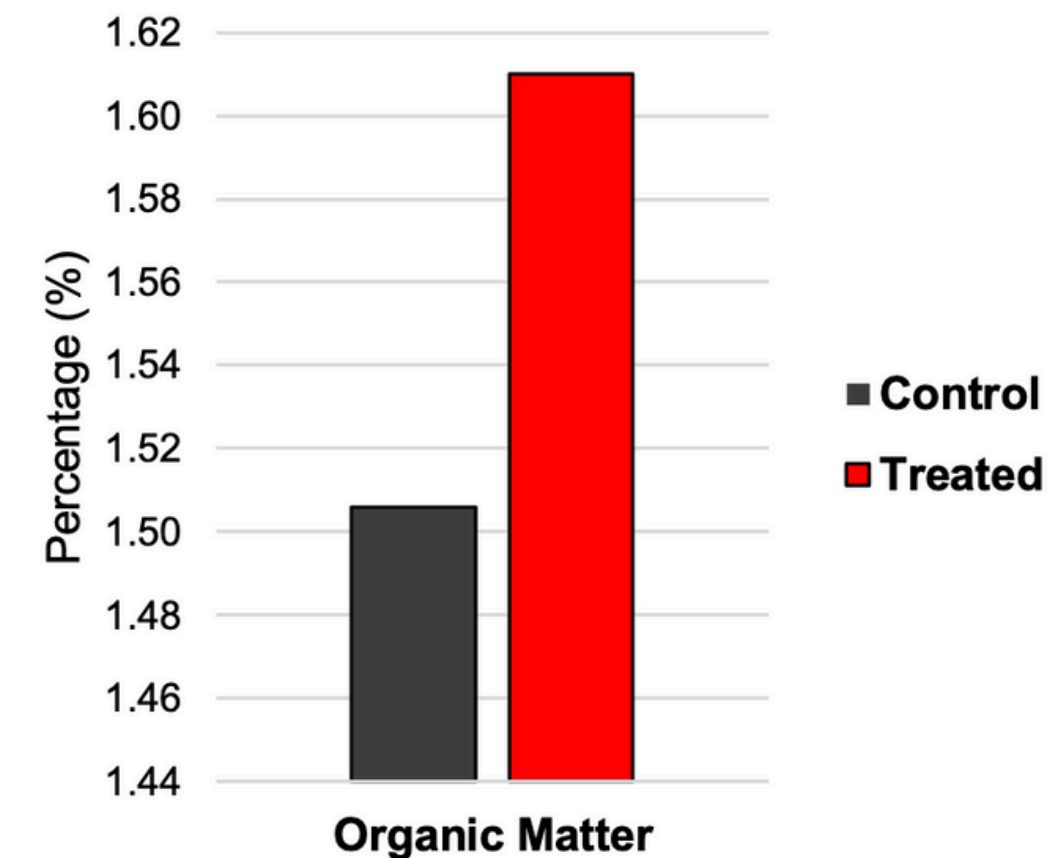
These results exceeded expectations, and all other trials on carbon sequestration.

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The % C Content Found in the Soil After Treatment with Ergofito Universal Biology



The Organic matter % Content Found in the Soil After Treatment with Ergofito Universal Biology





Rapid & Lucrative Carbon Sequestration

In this South African trial - Carbon2Earth demonstrated the capacity to sequester over 80 tons of CO2 per year - over a three year period.

Regulatory bodies expects this level of carbon sequestration to maintain into the fifth year.

CARBON CO2 SEQUESTRATION SUNDAYS RIVER VALLEY SOUTH AFRICA

PARAMETERS	DAY 0	MONTH 12	MONTH 18	MONTH 24	DATA	TOTAL CO2	PER YEAR
SOIL CARBON %	0.46	0.56	0.936	1.2			
SOIL ORGANIC MATTER %	0.79	0.97	1.61	2.1			
SOIL DENSITY					1.1		
SOIL DEPTH					0.3		
SOIL AREA M2 (ONE HECTARE)					10,000		
CARBON CONTENT (TONNES)	15.18	18.48	30.89	39.60			
ORGANIC MATTER (TONNES)	26.07	32.01	53.13	69.3			
CARBON IN ORGANIC MATTER (58%)	15.12	18.57	30.82	40.19			
TOTAL CARBON IN SOIL	30.3	37.0	61.7	79.8			
TOTAL SEQUESTERED CARBON	0.00	6.75	31.40	49.49			
TOTAL CO2 CAPTURED						197.97	
AVARAGE TONNAGE SEQUESTERED PER YEAR							98.99

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PRACTICAL CONSIDERATIONS

The above test was carried out in an orchard, therefore, only 65% of the treated ten hectares was used. In a grassland where the full hectare is used, carbon sequestration will increase substantially.

Over and above the carbon sequestered, the general health of soil, plants and produce was substantially increased.



Conclusion

Carbon sequestration by photosynthesis and natural microbial activity is the only way possible for large sustainable carbon reduction from the atmosphere. It is efficient as nature always is, inexpensive and scalable. It is the only method to mitigate over 200 years of carbon emission from burning fossil fuels.

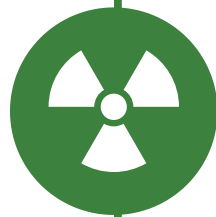
The direct results are as follows:

- Rapid and lucrative carbon sequestration.
- Improvement of soil health.
- Crop quality increase.
- Reduction of fertilisers.
- Reduction or elimination of most chemicals used in crops.
- Rapid and lucrative carbon sequestration.
- Environmentally sustainable.
- Extreme large scale roll out is possible.

A large green footprint graphic is centered on the page. Inside the footprint, the chemical formula "CO2" is written in a light beige, sans-serif font. The background of the page is a textured, light brown paper with several other smaller green footprints scattered around the central one.

Comparison of solutions

TRADITIONAL METHODS



- Global issues of soil degradation & decreased yields
- Extensive use of pesticides & fertilizers
- Difficulty maintaining healthy soil
- Excessive issues with pests & disease
- Decreased productivity
- Chemical products are very expensive

Carbon 2 Earth



- 43 Biological Enzymes
- Effective carbon sequestration
- 100% natural
- Easy to apply
- No capital expenses or upgrade
- Major improvements in yield and plant health
- Soil restoration, improved soil quality
- Eliminate soil erosion and degradation



Contact Us

For any questions or clarifications on our presentation.

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