



December 2024 Newsletter

I trust you all are looking forward to a great next season of planting and harvesting. We here at **EarthGen215.com** are **anxious to get about the business of saving our customers on their input costs and increasing their yields!!**

I have attached below this email our most recent study that shows exactly that. The study was completed just last summer, and the ink is just now drying on the report. **I believe you will enjoy the INCREASE IN YIELD AND THE DECREASE IN INPUTS.**

As an aside I read this streamline review that coincides with our desire to help farmers and ranchers, and I thought you would enjoy reviewing its principles. Credit goes to Tendai Sachiti. They are practical and they work. It speaks to the very principle that was and is the foundation of our product line that we represent.



Never Let the Soil Dry: A Key Principle in Regenerative Agriculture
By Tendai L. Sachiti

Soil is life.

It is the foundation of all terrestrial ecosystems and the silent force behind the food we eat, the air we breathe, and the water we drink. Yet, too often, it is overlooked, abused, and left to deteriorate. One of the most critical, yet simple, principles in regenerative agriculture is this: Never let the soil dry.

The Science of Moisture and Soil Health

Healthy soil is more than dirt—it is a living ecosystem teeming with microorganisms, fungi, and organic matter that work in harmony to sustain plant life. Soil moisture is the lifeblood of this system, acting as a conduit for nutrients, enabling microbial activity, and maintaining soil structure. When soil dries out, this balance collapses:

Microbial death: Beneficial microorganisms die or go dormant without adequate moisture, disrupting nutrient cycling.

Soil compaction: Dry soil hardens and loses its porosity, making it difficult for roots to penetrate and reducing water infiltration when it does rain.

Erosion: Dry, exposed soil is vulnerable to wind and water erosion, stripping away the organic matter that took years to accumulate.



Regenerative Practices to Keep the Soil Moist

In regenerative agriculture, we seek to mimic natural systems, which rarely leave soil exposed or dry. Here are the key strategies to maintain soil moisture:

1. Mulching

A thick layer of mulch—made from straw, leaves, wood chips, or crop residues—acts as a protective blanket over the soil.

Mulch: Reduces evaporation by shielding the soil from direct sunlight.

Prevents rain from compacting the soil surface.

Slowly decomposes, adding organic matter to the soil.

2. Cover Crops

Nature abhors bare soil. Cover crops such as legumes, grasses, or clover provide a living cover that keeps the soil cool and shaded, preventing moisture loss.

Their roots:

- Improve water infiltration.

- Stabilize the soil structure.

- Enhance the water-holding capacity of the soil.

3. Minimal Tillage

Tilling the soil disrupts its structure, breaks up fungal networks, and exposes moisture to evaporation. By minimizing tillage, we preserve the soil's natural water-retention capabilities and protect the microbial life that thrives in undisturbed soil.

4. Organic Matter

Soil rich in organic matter acts like a sponge, holding water during dry spells and releasing it slowly to plant roots. Composting and using animal manure are powerful ways to boost organic matter content.

5. Agroforestry and Shade Crops

Trees and shrubs planted alongside crops provide shade, reducing soil temperature and evaporation. Their deep roots also draw water from deeper layers of the soil, helping to stabilize moisture levels. With unpredictable weather patterns and prolonged droughts becoming more frequent, keeping soil moist is no longer optional—it is essential for survival. Moist soils are better equipped to absorb heavy rains, reduce flooding, and to endure dry spells, ensuring crops survive and thrive.

"Never let the soil dry" is not just a farming technique; it is a philosophy that acknowledges the interdependence of water, soil, and life. It calls us to steward the land with care, ensuring that future generations inherit soil that is rich, fertile, and alive.

If you are a large or small-scale farmer, a gardener, let this principle guide you. Protect your soil. Cover it, nurture it, and never let it dry.

We are now taking orders for next year's growing cycle. Please contact me directly at the number below to get ahead of the ordering wave!!

"I would that you be prosperous and be in good health." John3:1,2.

Tom

Tom Golden
Managing Member
EarthGen215, LLC
EarthGen215.com
850-778-7012

