

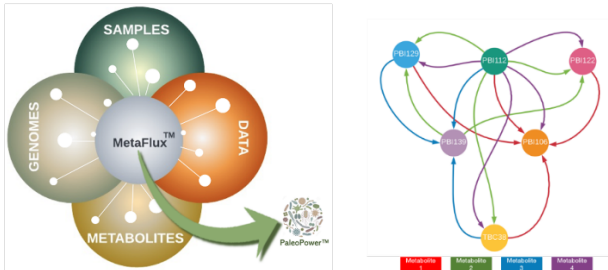


Ancient Organics



Each of our soil and plant probiotics is made up of a group of beneficial bacteria called a “guild”. Our microbial “guilds” function as symbiotic self-sustaining communities that work together to contribute specific benefits to your plants and soil. Each of our soil and plant probiotics is made up of a group of beneficial bacteria called a “guild”. Our microbial “guilds” function as symbiotic self-sustaining communities that work together to contribute specific benefits to your plants and soil. We assemble our “guilds” of beneficial bacteria by first analyzing the unique genetic makeup of each microbe to identify the genes responsible for conferring a specific benefit to your soil or plants.

We then use our proprietary Metaflux™ metabolic modeling platform to match up microbes that confer the desired benefits to your soil and plants to assemble each “guild”.



The resulting microbial “guild” then works together as a symbiotic community to provide the desired beneficial functions for your soil and plants. Because our guilds are designed to survive as a community by cross feeding each other, the benefits they provide to your soil or plants continue to endure for a period of time after application.

Glyphosate Break Down - Why Does This Matter?

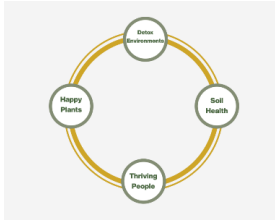
Glyphosate is the key ingredient of broad-spectrum chemical weed-killers that are sold under many brand names, including Roundup.

Safety

There has been significant controversy around the safety of glyphosate. Studies suggest glyphosate is linked to several types of cancer. In 2015, the World Health Organization identified glyphosate as “a probable human carcinogen”. Thousands of people around the world have filed lawsuits against Monsanto, the manufacturer of Roundup, claiming the product caused their cancer.

To date, Bayer, which acquired Monsanto, has set aside \$16 Billion to settle the Roundup lawsuits. In 2021 Bayer announced that it would stop selling Roundup in certain markets by the end

of 2023 citing risks to farm workers and consumers. Glyphosate contamination has been found in many foods including strawberries, kale, spinach and foods containing corn, soybeans, oats and wheat. Studies suggest that glyphosate is also toxic to certain animals, bees, butterflies and aquatic life. The use of glyphosate is now banned or restricted in over 30 countries.



Persistence in Soil

There is disagreement about how rapidly residues from glyphosate -based herbicides degrade in soil. The rate of degradation varies depending on factors such as soil type, temperature, and moisture content. It also depends on the specific formulation as different products may contain different amounts of glyphosate, as well as other chemicals such as surfactants, that can affect how quickly it breaks down and persists in the environment. The U.S. EPA suggests that the average half-life of glyphosate in Roundup is approximately 47 days in soil, but may be several months. However, a number of scientific studies suggest glyphosate persists much longer and that in certain environments may persist for as long as 22 years. In one Australian pasture which had received two qts of Rup per year for 20 years was tested for residual product. The analysis showed that 39.5 qts still existed in the soil. In 2023 one TX cotton grower applied Paleo Grow to one field prior to planting RR cotton. His fall yield was increased by 25%. Raul is waiting for the data on this.

PaleoPower Scientific studies have demonstrated that our product, PaleoPower, has the ability to reduce 80% of glyphosate residues in soil within 90 days of application and by over 90% within 180 days. It is important for farmers and other users of glyphosate to carefully consider these factors and to use glyphosate-based herbicides in a way that maximizes their benefits while



minimizing their potential negative effects.

Why PaleoPower™?

Unproductive soil, poor plant health, and chemical contaminants pose challenges in agriculture. Ancient Organics addresses these issues with PaleoPower™, a unique soil and plant probiotic. This formulation harnesses the power of beneficial microorganisms, providing a natural and organic solution to enhance plant yield and reduce reliance on chemical fertilizers. PaleoPower™ restores a healthy soil microbiome and breaks down contaminants like glyphosate. By using this innovative

product, farmers and growers can improve soil quality, crop productivity, and profitability while minimizing chemical inputs for long-term sustainability.

PaleoPower™ Provides Essential Minerals

PaleoPower™ provides essential minerals to support plant growth.

The PaleoPower Advantage

Enhances Growth by Making Phytohormones

Phytohormones are important for plant growth and development. They also help plants tolerate stress and promote survival in varying environments.

Restores a Healthy Soil Microbiome.

PaleoPower™ colonizes the soil with beneficial bacterial restoring a healthy microbiome, making the soil more productive.

Converts Atmospheric Nitrogen into Plant Nutrients.

These nutrients become plant available for growth & development, reducing the need to use chemical fertilizers.

Degrades Glyphosate.

PaleoPower™ breaks down glyphosate into phosphate, amino acids, carbon dioxide and water. The released phosphate becomes available for plant nutrition.

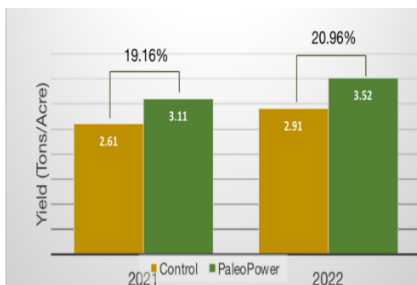
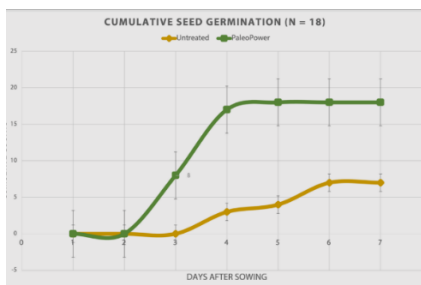
Solubilizes Phosphate.

Phosphate is a crucial nutrient for plants. It improves water use efficiency and helps plants withstand colder temperatures and moisture stress.

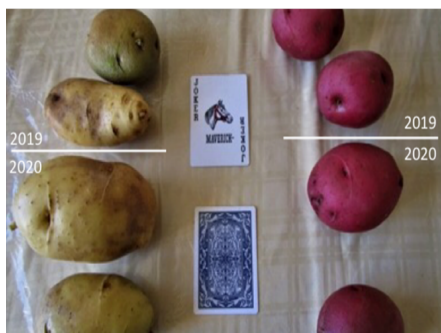
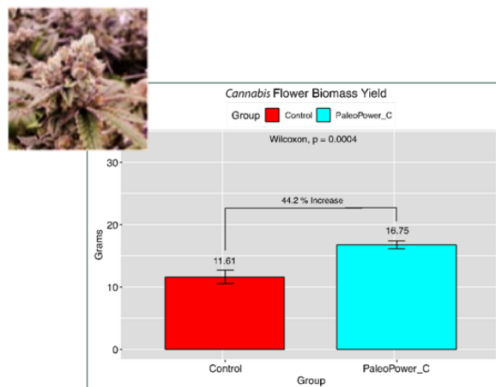
PaleoPower™ Accelerates Germination and Increases Crop Yields

PaleoPower™ Accelerates Germination

PaleoPower™ more than doubled the germination rate of 5 different strains of Cannabis (hemp) seeds with characteristically low germination rates



Biomass 40% and Flower Yield 44%



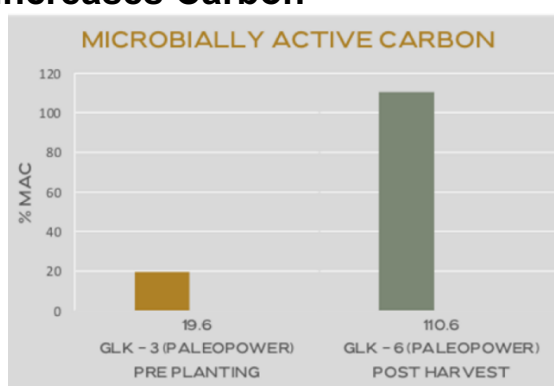
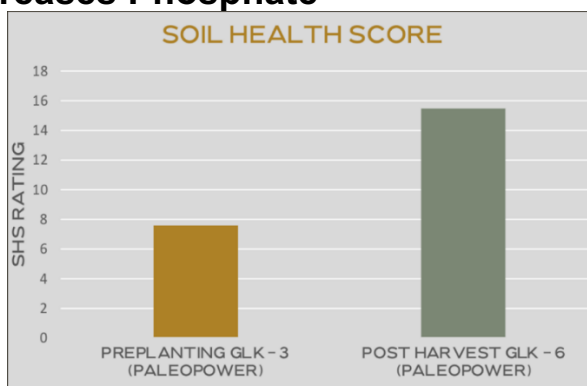
PaleoPower™ Improves Soil Health

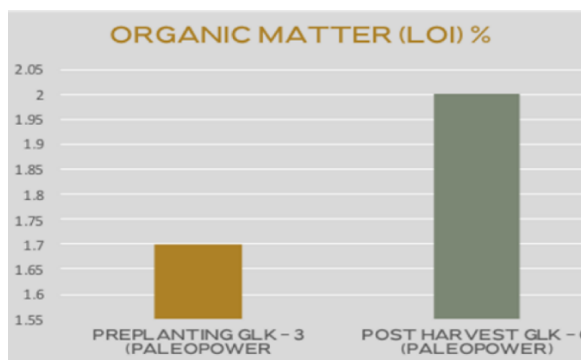
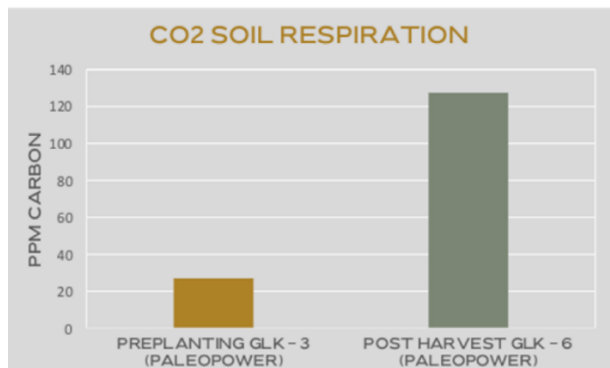
Independent analysis suggests that PaleoPower™ improves overall soil health as measured by increased microbially active carbon, increased soil CO₂ respiration, and increased organic matter.

PaleoPower™ Restores Degraded Soils

- Restores Healthy Soil Microbiome
- Increases Phosphate

- Increases Nitrogen
- Increases Carbon





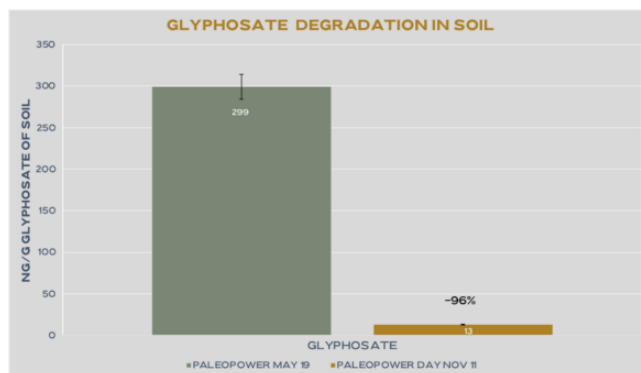
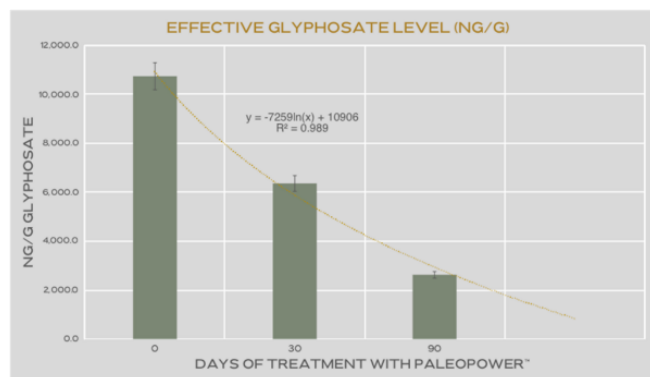
Independent analyses show that PaleoPower™ colonizes the soil with beneficial microorganisms and restores soil health by increasing the diversity of the soil microbiome. This increases the productivity of the soil. Analyses using both the Shannon Diversity Index and the Simpson Diversity Index confirm and increase in the number of species present in the soil together with an increase in their relative abundance following treatment with PaleoPower.

PaleoPower™ Breaks Down Glyphosate

PaleoPower™ contains bacteria that bioremediate contaminated soils, including chemicals from weed-killers like glyphosate. This prevents plants from taking up glyphosate from the soil as they grow. The results are healthier foods.

Two independent controlled studies demonstrate that a single treatment of PaleoPower™ reduced soil glyphosate and AMPA by over 80% in 90 days and over 90% in 180 days. The graphs below show the exponential decrease in glyphosate levels in soil after treatment with

PaleoPower™. **Green House Study** **Field Study**



PALEOPOWER™ IS A REVOLUTIONARY SOIL PROBIOTIC THAT BREAKS DOWN GLYPHOSATE

PaleoPower microbial inoculant restores the health of your soil, accelerates plant growth and increases yield.

ORDER TODAY



PaleoPower microbial inoculant restores the health of your soil, accelerates plant growth

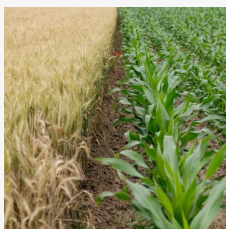
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Making Your Soil Healthy Again

PaleoPower microbial inoculant restores the health of your soil, accelerates plant growth & increases yield.



Proven Soil Enhancement

PaleoPower™ restores nature's power to your plants and soil in a natural, organic way without the use of chemicals. It contains beneficial bacteria from ancient and unique sources. It gives your plants and soil the boost they need to thrive.

Ancient Organics Bioscience

PaleoPower contains beneficial bacteria from ancient and unique sources. We are developing and testing these natural, organic bacteria in many locales and on many crops.

* One Texas cotton field which had not performed well in recent seasons and had received multiple Rup applications each year since RR cotton was commercialized. They applied the PaleoPower Yield & Shield mix in furrow and RR cotton was planted in 2023. The fall yield measurements showed a 25% yield increase as the chelating action of the Gly had been tying up valuable minerals in previous seasons was minimized.

** In visiting with one Iowa Falls producer in 2024 I was asking about his weed control program. He said he had limited his use of Rup on his continuous corn acres. He then said his fertility program included applying an average of 8,500 gallons of hog honey each season to his continuous corn acres. He did not realize that both hog and poultry manure or litter carry approx .75 lbs or .75 of a quart of Rup. It is coming from the grain fed to the animals. Over a ten-year period he had unknowingly applied 60 qts or 15 gallons of Rup to his fields. How much better could his yields have been if he had been able to make this product disappear from the soil and increase plant available mineral levels in his soils? Residue testing of soil can be done at Health Research Institute Labs in Fairfield, IA. John Fagan' equipment can test to 60 parts per trillion. Might your situation the same? What might your ROIs be by being able to reduce or eliminate the Gly from your soils?