



Regeneratively Verified™ and Regeneratively Grown™

Soil Regen, a regenerative education and consulting company, is proud to announce the first rigorous and scientifically sound Regenerative Verified™ and Regeneratively Grown™ process available to the agriculture and food industries.

Are you a farmer, rancher, have livestock or just grow a garden? Do you currently buy organically labeled food products and are interested in healthier foods produced in an environmentally sustainable way? Chances are you've heard the buzz about regenerative farming practices at some point. Ever wonder what "regenerative agriculture" truly means? Definitions of regenerative agriculture practices can vary from operation to operation. Everyone seems to have their own opinion of what "regenerative agriculture" means to them. It can confuse farmers, ranchers and even consumers to understand the implications of two simple words "regenerative agriculture". Regenerative practices are known to improve soil health, water quality, community and ecosystem health, and wildlife habitats. Soil is the keystone of food and water security, climate change mitigation, and biodiversity protection.

Soil Regen has developed a solution to this problem and a way to give meaning to a commonsense phrase used to explain a complex set of practices that address environmental resource concerns and produce a high caliber food for consumers to enjoy. Our goal is to change the current industrial model by connecting consumers directly with the best quality, regeneratively grown agricultural products as the demand for sustainability is increasing in all aspects of the food and beverage industry.

Recent studies suggest that regenerative agriculture practices result in an increased density of mineral micronutrients in regenerative crops, a higher level of omega-3 fats and a more balanced ratio of omega-6 to omega-3 fats in beef and pork raised on a regenerative farm. Furthermore, research indicates that consumers are willing to pay a premium for water quality and carbon reduction practices in agriculture. Our Regenerative Verified™ process provides traceability, transparency, identity preservation, and increase profitability for hard working farmers.

We have the solution

Soil Regen has a non-biased two-step process whereby anyone who plants a seed in the soil to harvest or grows livestock can see how their soils are functioning with the Regenerative Verified™ process. We start by simply verifying if a soil meets Regenerative Certification through soil testing. Soil Regen is utilizing the Regenerative Certified™ test now offered at Regen Ag Lab developed by Soil Scientist, Rick Haney PhD, and Founder of Regen Ag Lab,



Lance Gunderson. This is a non-biased laboratory test that employs state-of-the-art soil analyses and formulations to measure the conditions your soils inherent qualities were versus how you have affected them with your management strategies. The testing consists of 26 individual measurements of which roughly half are used to calculate a Regenerative Certified™ score. This system is unique in that it compares your soil to your management in your climate, versus comparing soils from different climate regimes to each other. This process eliminates the spatial and geographic variability associated with standard carbon or other regenerative testing schemes.

Next, the Regenerative Verification process assesses if the producer's management qualifies as regenerative. Producers who pass the Regenerative Certified process can show evidence of including one of the Regenerative principles to meet Regenerative Verification.

These principles include but are not limited to:

1. Keep the soil covered at all times
2. Minimize physical and chemical disturbance
3. Maintain a living root throughout the year to harvest sun, rainfall, and carbon
4. Strive for diversity in both plant and animal species
5. Livestock integration
6. Utilize these practices within the context of climate, personal experience, and individual situations

“But what if I’m not currently using any of the regenerative practices”? That’s ok too, that type of farming may not pass our verification process, but even conventional farmers can use the process to see how their soil compares to their own baseline and obtain nutrient recommendations down to a foot. These recommendations will help producers reduce inputs and save money.

How will this benefit producers

The Regenerative Verified™ and Regeneratively Grown™ process gives producers a way to verify how their management strategies are working with factual data and not opinions of others. It helps educate the consumers and businesses you sell your products to. It is meant to help producers achieve a higher income for their products. As more and more consumers and businesses are further removed from understanding our way of life and the operations we manage, it is up to us to have a common voice that is relatable to them. Producers will receive soil sample results as part of the process, which can be used to help inform management decisions.

Upon verification producers will receive a certificate indicating that their products are either Regenerative Verified™ or Regeneratively Grown™, and use of the label on the verified product for that crop or protein product for that year. Upon request, a QR code linking to a



description of what the label signifies. If the producer chooses to, they can be listed on the website as a Regenerative Verified™ or Regeneratively Grown™ source.

Partner up with Soil Regen, the first company to offer Regenerative Verified™ and Regeneratively Grown™ with Regenerative Certified laboratory testing. Email Liz or Russell for more information or attend one of our upcoming events. Event information is on www.agsoilregen.com/events.

Liz Haney, PhD - liz@agsoilregen.com, 979-229-7538

Russell Hedrick – russell@agsoilregen.com

Processing

Field Intake

Soil Regen, LLC, will provide a Grower Contract to interested parties. Producers or companies will fill out the contract and agree to the terms. After receipt of the contract, Soil Regen will obtain field delineations. Producers may provide shp or kml files. If the producer does not have these files, Soil Regen can assist the producer in creating their field delineations for a fee of \$0.50 per acre. Soil Regen will then provide locations for subsamples to be obtained for a composite sample. These points are based on the soil type, slope and elevation of each field so that a representative composite sample can be obtained.

For Regenerative Certified™, soil samples will be analyzed using the Haney test. Producers should keep in mind that the crop is what is being regeneratively verified so fields tested should be under the same management and cropping system. For example, if you are growing non-GMO corn and wanting to Regeneratively Certify and Regeneratively Verify that corn, you take a sample from that field you are growing the corn on with one composite depending on management, soil type, and acreage. For Regeneratively Grown™ protein-based products, the field or pasture that the animal product production is on will be tested and verified.

Management zones will be delineated on 100-acre maximum zones. Field sizes can be smaller than 100 acres, but one composite sample per field is required for acreage smaller than 100. Ten soil cores at the 0-6” and 6-12” depths will be obtained and composited per zone. Anonymized grower, field and sample IDs will be created to ensure that third party soil testing by the laboratory is unbiased to ensure the integrity of the label. Soil submittal forms will be sent to the grower by Soil Regen, LLC with the anonymized IDs. A csv file with anonymized IDs and testing parameters will be sent to the laboratory by Soil Regen, LLC. Soil sampling instructions are below. Samples **must be obtained via a third-party agronomist or soil-sampling company**.



Soil Sampling

1. Soil samples can be collected using a clean, rust-free probe, wood auger and cordless drill, spade or shovel. A soil probe and wood auger allows samples to be taken from an accurate depth. If using a spade or shovel, a furrow slice may be taken. Remove all vegetation and residue prior to sampling. Note: Use clean instruments and avoid the use of lubricants (i.e. WD-40) when sampling to prevent inaccurate results.
2. Soil Regen will send you a map with approximate locations from where to collect samples for compositing. These samples are from areas that are predicted to best represent the field average. Avoid problem areas that do not accurately represent your soil. We recommend a soil temperature at a minimum of 50° F.
3. Using a soil probe, insert the probe at a 90° angle, without twisting, to 6". Twist a quarter of a turn then pull straight out. If the soil is clearly compacted more than 1" within the probe, remove the core and sample again. The probe does not need cleaned between sampling, unless the probe is clogged, or the soil is wet. Collect another sample from the same hole from the 6" to 12" depth using the same methods. All samples must be taken from the same depth for proper interpretation
4. Combine at least six (6) cores for the area of interest. Thoroughly mix cores and send a subsample of two (2) cups in a plastic lined paper soil bag or plastic bag (i.e. sandwich bag, whirlpac, etc.).
5. Clearly label all the sample bags with unique identifiers provided by Soil Regen. Make sure to include grower ID, Field ID and Sample ID 3 at a minimum. These labels must match the label names used on the submittal form and must indicate the desired test and sampling depth in addition to necessary customer information (Soil Regen and account number 138). Label bags using a Sharpie or pen prior to sampling to prevent labels from smearing.
6. Store samples in a cool and shaded location for a maximum of two (2) days or in the fridge for a maximum of two (2) weeks prior to shipping. If longer times are expected, store in the freezer. Microbial activity can be strongly impacted if not properly stored.
7. Place all samples and submittal forms in a box and ship samples using a standard carrier. We recommend two (2) to three (3) day shipping. Samples should be shipped to Regen Ag Lab, 31740 Hwy 10, Pleasanton, NE 68866. Producers can use the return address, Soil Regen, 1181 E. Creekview Dr., Salado, TX for further anonymization.

Regenerative Certified™ Testing

Upon arrival at the laboratory, samples are analyzed using the Soil Health Tool, commonly referred to as the Haney test (Haney et al., 2017). The results from the 0 – 6 " and 6 – 12" samples are then run through a Regenerative Certified™ calculations to determine that soils are being improved or regenerated as compared to the baseline condition. Each set of samples is scored on the Regenerative Certified™ Scale. A score greater than the minimum threshold qualifies for Regenerative Certification. Results on large fields (greater than 500 acres) with the same management are averaged depending on field variability (composite samples are still required for every 100 acres, but the results are averaged prior to regenerative certification calculations. All data will be uploaded to Soil Regen's platform and the results will be sent to Soil Regen, LLC.



Regenerative Verified™ and Regeneratively Grown™ process

If a field is Regenerative Certified™ at the laboratory, Soil Regen, LLC, will verify that at least one of the regenerative agriculture management practices is being utilized on that field for that crop. The producer will be asked to verify their practices in one of the following ways:

- Examples of documentation may include, but are not limited to:
 - Planting records
 - Seed tickets
 - Fertilizer receipts
 - Notarized statements of management practices
- Visual evidence may also be required such as:
 - In-field photographic evidence of planting, cover crop stands, livestock, fencing, etc.
 - Site visits throughout the year
 - Aerial imagery (FARM FLIGHT)
- Data procurement costs vary with verification practices

Once verification is provided, the crop or animal product from the fields testing will receive either the Regenerative Verified™ or Regeneratively Grown™ rights to label. This label is only valid for the year that the crop or animal product is grown. Quality assurance will be conducted through estimated yields, product tracing and identity preservation.

If a field is not Regenerative Certified™ at the laboratory, Soil Regen, LLC, will be able to provide recommendations regarding future management practices that can improve the soil and the scoring. Please contact us for additional information regarding consulting.

If a field is certified, the producer will receive a certificate of verification, the option to be included on the website as a verified producer, and a Haney test interpretation. A logo will be provided for use on appropriately labeled products.

Livestock Production

Regeneratively Grown labeling will only be used on protein-based products that meet and pass the verification process. It will only be used on those products for a period of 12 months from the completion of the verification process. Producers will submit head counts with their management data upon enrollment. At that time the farm will have to be retested. All livestock sold under this label must be present on a passing verified farm before slaughter, egg collection, or milk production. Producers can provide sales tickets, sales contract agreements or other verifiable information to ensure that only products from the verified ground are being sold under the Regeneratively Grown™ label. The producer will keep records of sales of Regeneratively Grown™ products in case these records are needed.



Grain Production

Grains grown on a verified farm must be accounted for to the best ability of the farmer. The farmer must submit yield data via yield monitor or scale tickets. Alternatively, a County APH will be assigned to the farm that the grains are produced on multiplied by the number of acres on a FSA form 578 or field delineation measurement. These assurances are in place to validate the quantity of grain sold to consumers under the Regenerative Verified™ label corresponds to the number of bushels grown from a verified field. The producer will keep records of sales of Regenerative Verified™ products, including volumes in case these records are needed.