

SOIL HEALTH INSTITUTE (soilhealthinstitute.org)

- **Enriching Soil, Enhancing Life:** enriching soil enhances life from the microscopic scale to the global scale. Adopting soil health systems can increase microbial diversity, improve farmer livelihood, increase agricultural productivity, and build climate resilience. As a result, downstream communities receive cleaner water, ecosystem health is restored, rural landscapes are sustained, and climate change is held in check for future generations. Strategy: research shows that improving soil health increases carbon sequestration, reduces greenhouse gas emissions, increases drought resilience, enhances water quality, boosts crop yield, increases nutrient availability, provides pollinator habitat, and suppresses many plant diseases. Yet today, less than 5% in the U.S. is managed using the basic soil health practice of cover cropping. To bring these on-farm and environmental benefits to scale, the Soil Health Institute provides information land managers need to know when adopting management systems to improve soil health.
- **Soil health is the foundation for Regenerative Agriculture:** across North America and around the globe, the Soil Health Institute is advancing the science of soil health. Our work is focused on strategic goals to scale adoption of soil health management systems – the foundation for regenerative agriculture.
- **Recommended measurements for scaling Soil Health Assessment:** measuring management-induced changes in soil health can provide insight into farmers' progress at establishing more regenerative systems and guide selection of alternative practices that increase profitability, resilience and ecosystem services. The Soil Health Institute recommends a minimum suite of three measurements to be widely applied across North America. These three are: Organic Carbon Concentration, Carbon Mineralization Potential and Aggregate Stability.
- **Healthy soils are fundamental for restoring our Earth:** The Soil Health Institute supports the adoption of regenerative soil health systems that store carbon, reduce greenhouse gas emissions, improve water quality, increase farm profitability, build drought resilience, increase nutrient availability, provide pollinator habitat and suppress many plant diseases.
- **Together, in partnership with hundreds of organizations,** the Soil Health Institute is addressing the needs of farmers, ranchers, conservationists, policymakers, and society by Enriching Soil, Enhancing Life.