

# Regenerative Agriculture and Soil Carbon Strategy Course

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## Overview

The Regenerative Agriculture and Soil Carbon Strategy Course is a one-week intermediate course for agribusiness leaders, farm managers, sustainability teams, and advisors who leave with a Regenerative Agriculture and Soil Carbon Action Plan. It connects farm baselines, soil-health indicators, crop and grazing practices, water, nutrients, biodiversity, carbon boundaries, monitoring, economics, claims, data integrity, and adoption. Participants convert field evidence into prioritized actions. Agile Leaders Training Center delivers this course on regenerative agriculture and soil carbon strategy.

## Who Should Attend

- Agribusiness leaders responsible for land, supply, and sustainability outcomes
- Farm and estate managers selecting production and soil practices
- Agricultural advisors interpreting soil and management evidence
- Food supply-chain teams coordinating farm improvement initiatives
- Environmental project teams responsible for monitoring and reporting

The course assumes participants influence agricultural practices or sustainability decisions and leaves out laboratory certification, agronomy licensing, and carbon-credit verification.

## Departments and Industries

The course supports land and supply-chain decisions across agricultural settings.

- Crop production and farm operations
- Livestock, pasture, and rangeland management
- Food processing and agricultural sourcing
- Sustainability and environmental project functions
- Agricultural finance and rural development teams

## Learning Objectives

By the end of this course, participants will be able to:

- Diagnose farm baselines and soil-health constraints
- Compare regenerative crop and grazing practices
- Build soil-indicator and carbon-monitoring plans
- Evaluate practice economics and adoption barriers
- Apply claim and data-integrity controls

- Create a Regenerative Agriculture and Soil Carbon Action Plan

## Course Agenda

### Day 1: Baseline and Soil Health Evidence

- Farm System Boundary and Baseline Map
- Physical, Chemical, and Biological Indicator Matrix
- Soil Organic Carbon and Soil Function Interpretation
- Field Sampling and Comparison Design
- Soil Constraint and Opportunity Register

### Day 2: Regenerative Practice Selection

- Cover Crop and Living-Root Decision Matrix
- Tillage and Soil-Disturbance Assessment
- Crop Rotation and Diversity Design
- Grazing, Pasture, and Ground-Cover Plan
- Practice Context and Trade-Off Scorecard

### Day 3: Water, Nutrients, Biodiversity, and Carbon

- Water Infiltration and Holding-Capacity Assessment
- Nutrient Flow and Input-Efficiency Map
- Habitat and Farm Biodiversity Action Matrix
- Soil Carbon Boundary and Source-Sink Map
- Carbon Claim Assumption and Limitation Log

### Day 4: Monitoring, Economics, and Adoption

- Soil Indicator Measurement and Monitoring Plan
- Data Quality, Traceability, and Evidence Register
- Practice Cost, Benefit, and Scenario Analysis
- Stakeholder Incentive and Adoption Barrier Map
- Implementation Sequence and Review Dashboard

### Day 5: Regenerative Strategy Practice

- Suggested Exercise: Farm Baseline and Indicator Review
- Suggested Exercise: Regenerative Practice Selection
- Suggested Exercise: Carbon Boundary and Claim Challenge
- Suggested Exercise: Economics and Adoption Decision
- Capstone Exercise: Regenerative Agriculture and Soil Carbon Action Plan

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## Practical Exercises

The course includes suggested activities for translating soil and farm evidence into decisions.

- Suggested activity: assess a crop-farm baseline using multiple soil indicators.
- Suggested activity: compare grazing and ground-cover practices for a pasture system.
- Suggested activity: challenge a soil-carbon claim and its evidence boundary.
- Suggested activity: present a Regenerative Agriculture and Soil Carbon Action Plan.

## FAQs

### Who suits the Regenerative Agriculture and Soil Carbon Strategy Course?

Agribusiness managers, farm leaders, advisors, sustainability teams, supply-chain professionals, and environmental project leaders suit the course; it assumes responsibility for agricultural decisions.

### How does regenerative agriculture differ from a general sustainable agriculture course?

Regenerative agriculture centers on context-specific practices, soil functions, measurable indicators, adaptive monitoring, and farm-system improvement rather than broad sustainability awareness.

### How is soil health measured in regenerative agriculture?

Soil health is assessed through a suite of physical, chemical, and biological indicators compared across time, fields, management systems, and relevant reference conditions.

### Why should soil organic carbon not be used alone?

Soil organic carbon is important but changes slowly and represents only part of soil function, so it should be interpreted with physical, chemical, and biological indicators.

### What belongs in a soil carbon action plan?

A soil carbon action plan links boundaries, baselines, practices, indicators, sampling, monitoring, economics, claims, data controls, owners, adoption actions, and review points.

## Conclusion

Participants leave with a Regenerative Agriculture and Soil Carbon Action Plan linking field baselines, practices, monitoring, economics, evidence, and adoption. The work product improves the traceability of land-management decisions and soil-carbon claims. It gives agribusiness and farm teams a reusable structure for implementation and adaptive review.

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