



Work Process Schedule

Regenerative Agricultural Technicians	
Job Description: Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands. May instruct farmers, agricultural production managers, or ranchers in best ways to use crop rotation, contour plowing, or terracing to conserve soil and water; in the number and kind of livestock and forage plants best suited to particular ranges; and in range and farm improvements, such as fencing and reservoirs for stock watering.	
RAPIDS Code: 0450CB	O*NET-SOC Code: 19-1031.00
Estimated Program Length: 2000 hours	
Apprenticeship Type:	
☒ Competency-Based ☐ Time-Based ☐ Hybrid	

On-the-Job Learning Outline

Competency Check List	Demonstrates Fundamentals: Apprentice can perform the task with some coaching.	Proficient in Task: Apprentice performs task properly and consistently.	Completion Date: Date apprentice completes final demonstration of competency.
	Demonstrates Fundamentals	Proficient in Task	Completion Date/Initials
Support farm management tasks, including livestock care, pasture moves, garden harvesting, and crop planting.			
Practice farming methods that restore ecosystems while producing food, such as organic farming, permaculture principles, and agroforestry systems.			
Research diseases, pests, or parasites and practice regenerative methods for control.			
Practice small-scale vegetable production and intensive farming methods.			



Test, augment, and measure soil biology and soil health.			
Plant, harvest, and maintain vegetable gardens and orchards.			
Use tractors, mowers, and other machinery for various farm tasks.			
Set up and maintaining water systems for efficient resource use.			
Manage compost piles to create natural fertilizers.			
Project Management Software — Microsoft Teams: Utilize Microsoft Teams and Outlook to schedule and attend meetings, collaborate with team members, manage project tasks, and track progress.			
Spreadsheet software — Microsoft Excel: Use Microsoft Excel to analyze data, create spreadsheets, and perform calculations.			
Utilize Geographic Information Systems (GIS) to communicate and share data.			
Utilize graphics, photo imaging, or mapping software to communicate and share information.			
Analyzing Data or Information — Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.			
Organizing, Planning, and Prioritizing Work — Developing specific goals and plans to prioritize, organize, and accomplish your work.			
Making Decisions and Solving Problems — Analyzing information and evaluating results to choose the best solution and solve problems.			
Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.			



Establishing and Maintaining Interpersonal Relationships — Developing constructive and cooperative working relationships with others.			
Communicating with People Outside the Organization — Communicating with people outside the organization, representing the organization to customers, the public, government, or other external sources.			

Related Core Subjects

Provider	
Name: Open Source Ag	
Address: 2620 Gray Hawk Way, San Miguel, CA 93451	
Email: kelly@opensource.ag	Phone Number: (559) 670-0352
Suggested Related Instruction Hours: 150	

Course Title	Contact Hours
Regenerative Agriculture Technician Skills	60
Microsoft Office Suite	15
Technology	15
Communication	20
Analysis	20
Operations	20
TOTAL	150

See class information attached