



Work Process Schedule

Agricultural Technicians	
Job Description: Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and control of pests; or study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth. May classify and map soils and investigate effects of alternative practices on soil and crop productivity.	
RAPIDS Code: 0236CB	O*NET-SOC Code: 19-1013.00
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
Record data pertaining to experimentation, research, or animal care			
Collect animal or crop samples. Examine animals or crop specimens to determine the presence of diseases or other problems			
Support pest or weed control operations, including locating and identifying pests or weeds, selecting chemicals and application methods, or scheduling application.			
Perform crop production duties, such as tilling, hoeing, pruning, weeding, or harvesting crops.			



Perform general nursery duties, such as propagating standard varieties of plant materials, collecting and germinating seeds, maintaining cuttings of plants, or controlling environmental conditions.			
Transplant trees, vegetables, or horticultural plants. Care for plants or animals.			
Determine the germination rates of seeds planted in specified areas.			
Assess comparative soil erosion from various planting or tillage systems, such as conservation tillage with mulch or ridge till systems, no-till systems, or conventional tillage systems with or without moldboard plows.			
Research sustainable agricultural processes or practices and crop management methods.			
Research diseases or parasites.			
Test quality of materials or finished products.			
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 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, email, 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, and 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
Agriculture Technician Skills	60
Microsoft Office Suite	15
Technology	15
Communication	20
Analysis	20
Operations	20
TOTAL	150

See class information attached