

Spec. Code: 2592
Occ. Area: 07
Work Area: 007
Prob. Period: 6 mo.
Prom. Line: none
Effective Date: 05/15/10
Last Action: Rev.

FARM MECHANIC

Function of Job

Under general supervision from a designated supervisor, to assemble, service, repair, and operate farm machinery, including the construction of experimental machinery, to assist with research conducted on experimental plots and farm fields, and to take care of research laboratories and other buildings used in research farm operations.

Characteristic Duties and Responsibilities

1. operates farm tractors and machines, including plows, discs harrows, planters, cultivators, and combines
2. services tractors and machinery and maintains records of service
3. constructs experimental machines or modifies farm machines for use in research studies
4. assembles new farm machinery
5. adjusts, alters, and repairs farm machinery and small plot equipment
6. assists in conducting efficiency, power-consumption, and other tests on various machines
7. assists in the measurement and layout of experimental plots, treatment applications and data gathering
8. cares for research laboratories, shops and machine storage buildings
9. locates and sets up exhibits and helps with field days and other tours of research centers
10. supervises laborers or other assistants as assigned
11. performs related duties as assigned

MINIMUM ACCEPTABLE QUALIFICATIONS

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. High school graduation or equivalent

KNOWLEDGE, SKILLS, AND ABILITIES (KSAs)

1. knowledge of farm work and problems of farm management and farm machinery
2. knowledge of techniques and equipment for planting, growing, and harvesting food products (plant) for consumption
3. knowledge of row crop production
4. knowledge of small plot equipment and research methods
5. skill in the use of hand tools (such as wrenches, pliers, and screwdrivers)
6. skill in performing routine maintenance on equipment and determining when and what kind of maintenance needed
7. ability to operate simple machine or shop tools
8. ability to communicate effectively orally and in writing
9. ability to install equipment, machines, wiring, or programs to meet specifications