

## **RESEARCH GARDENER TITLE DEFINITION**

### **II. DEFINITION**

#### **RESEARCH GARDENER**

This is skilled gardening work related to research and/or instruction within the University of Wisconsin System. Positions allocated to this classification assist researchers and conduct agricultural, horticultural, and related experiments, and/or cultivate plant materials for research and/or instructional purposes. Work is performed under the general supervision of an academic staff position.

#### Examples Of Work Performed:

- Provide and set up equipment according to research requirements.
- Mix, sterilize, and/or till soil in preparation of planting.
- Propagate plants by seed cuttings, graftings, and/or transplanting.
- Pollinate and/or inoculate plants.
- Plant, cultivate, and irrigate plant materials.
- Apply fertilizers, insecticides, pesticides, herbicides, and fungicides, and/or use non-chemical treatments to promote growth and control harmful insects and disease, as directed.
- Harvest crops.
- Grade and clean seed stocks.
- Maintain and care for nursery and greenhouse plants.
- Maintain and care for historic horticultural collections.
- Observe growing areas and record research data, using manual or computer methods, for evaluation by professional staff.
- Recommend designs for historic landscapes.
- Assist in the restoration and management of native plant communities.
- Maintain labeling system for plant collections.
- Monitor and maintain heating, cooling, lighting, and irrigation systems of research environment.
- Perform routine maintenance and repair of facility, equipment, and tools.
- Clean facility, equipment, and tools to maintain an orderly work area, and/or to maintain sanitation and biological isolation of research experiment.
- Use and operate a variety of equipment, such as hand and power implements, scales, chemical applicators, tractors, and harvesters.
- Deliver plants to classroom or laboratory.
- Assist with laboratory or classroom demonstrations.
- Conduct tours of facility, as necessary.
- Perform related work, as requested.
- May maintain grounds of research and/or instructional facility.
- May direct limited term employees, student workers, and/or other workers.

### **II. QUALIFICATIONS**

The qualifications required for these positions will be determined at the time of recruitment.

### **III. RELATED POSITION TITLES**

1. Positions that for a majority of the time (more than 50%) perform non-research gardening work at a state facility and are more appropriately classified as Gardener.
2. Positions that for a majority of the time (more than 50%) maintain the grounds at a state facility and are more appropriately classified as Groundskeeper.
3. Positions that for a majority of the time (more than 50%) perform grounds crew leadworker duties and are more appropriately classified as Grounds Crew Lead.