

GREENHOUSE GARDENER SERIES

<u>Code No.</u>	<u>Class Title</u>	<u>Occ. Area</u>	<u>Work Area</u>	<u>Prob. Period</u>	<u>Effective Date</u>
1979	Greenhouse Gardener I	07	007	6 mo.	08/02/82
1980	Greenhouse Gardener II	07	007	6 mo.	08/02/82

Promotional Line: 282

Series Narrative

Employees in positions allocated to this series participate in and/or supervise the operation of research and/or teaching greenhouses and related gardens and beds. They assist researchers in horticulture, agronomy, soils or botany with greenhouse research. They are responsible for the day-to-day operation of the greenhouse facilities and related gardens. They perform general routine maintenance of greenhouse structures and garden.

Greenhouse Gardeners typically –

- administers watering and fertility program
- prepares growing media by mixing, amending, and disinfecting
- maintains proper temperature and light regimes
- propagates plants from seed and cuttings, makes grafts, and prunes plants
- controls insects and disease in the greenhouse and gardens
- prepares outdoor beds, makes plantings, and maintains ornamental plants

The series does not include positions whose primary functions are--

- nursery maintenance or production
- orchard maintenance
- fieldwork with agronomic crops or pastures

DESCRIPTIONS OF LEVELS OF WORK

Level I: Greenhouse Gardener I **1979**

Employees at this level, under general supervision, perform work in the operation of research greenhouses and in the planting and cultivating of greenhouse plants and related plots or gardens.

A Greenhouse Gardener I typically –

1. regulates light, temperature, water, humidity, and fertility regimes for various greenhouse crops
2. performs work involved in seeding, cropping, propagation, watering, spraying and cultivation of vegetables, fruit plants, ornamentals, and turf grown in the greenhouse or related gardens
3. mixes, amends, and disinfects soil, peat, and other ingredients for plant growth media
4. identifies common insects and diseases; applies pesticides, fertilizers, and growth regulators
5. transplant plants and/or turf
6. maintains experimental plots
7. prunes plants to correct form
8. performs routine maintenance and repair of greenhouse and agriculture machinery and equipment
9. operates small house and garden equipment (such as small tractors, tillers, soil steam chambers, soil shredders, greenhouse vents and cooling units, greenhouse heaters, growth chambers, walk-in coolers, pesticide sprayers, and fertilizer injectors)
10. performs seedage techniques including seed harvesting and stratification procedure
11. performs other related duties as assigned

Level II: Greenhouse Gardener II**1980**

Employees at this level, under direction, are responsible for and participate in the operation of research greenhouses and related plots or gardens.

A Greenhouse Gardener II typically –

1. trains, schedules, assigns, and reviews the work of subordinate employees engaged in the cultivation and care of turf, trees, shrubbery, and other plant materials in the greenhouses and on the grounds
2. participates in the selection and discipline of subordinate employees
3. make periodic inspections of greenhouse crops, plant collections, and grounds, initiating actions to maintain optimum growth as required
4. assists researchers by monitoring crops, providing routine cultural assistance, and developing experimental plots
5. educates students, researchers, and subordinate employees in the safe and proper use of pesticide and equipment; enforces safety regulations
6. supervises and participates in the maintenance and repair of greenhouse and agricultural machinery and equipment

7. recommends the purchase and/or replacement of greenhouse equipment
8. maintains inventory of material and supplies needed in greenhouse and garden operations
9. maintains necessary records of general greenhouse and garden work performed and pesticide applications
10. supervises field layout and construction of display beds and borders of annual and perennial plants
11. prepares spraying and feeding program for care and maintenance of all greenhouse and garden plants
12. prepares greenhouse operating program for propagating and growing plants used in display gardens and for decoration
13. performs other related duties as assigned

MINIMUM ACCEPTABLE QUALIFICATIONS REQUIRED FOR ENTRY INTO:

Level I: Greenhouse Gardener I

1979

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) two years of work experience in greenhouse crop production or research greenhouses; and related gardens

or
- (B) 30 semester hours of college credit for coursework in greenhouse management, floriculture, general horticulture, plant propagation, vegetable production, taxonomy of cultivated plants, plant physiology, and basis soils

or
- (C) any combination of education and experience as described above which totals two years¹

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. knowledge of the propagation, planting, care, and maintenance of horticultural and agronomic crops
2. knowledge of greenhouse and garden operations and equipment used in both greenhouses and gardens

¹College coursework must be evaluated on the basis of 1.25 semester hours of credit being equivalent to one month in computing combinations of education and experience as provided above.

- 3. knowledge of greenhouse and equipment maintenance
- 4. knowledge of plant insects, disease, and methods of control

Level II: Greenhouse Gardener II **1980**

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

- 1. (A) five years of work experience in greenhouse management and crop production in greenhouse and related gardens or in the operation of research greenhouses and related gardens

- (B) B.S. Degree in Horticulture

- and

- two years of work experience in greenhouse management and crop production in greenhouse and related gardens or in the operation of research greenhouses and related gardens

- or

- (C) any combination of education and experience as described above which totals five years, with a minimum of two years of work experience¹

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

- 1. supervisory ability
- 2. knowledge of plant physiology and plant growth and morphogenesis
- 3. knowledge of soil structure and function
- 4. knowledge of greenhouse heating and cooling systems
- 5. knowledge of pesticide application techniques and safety
- 6. knowledge of greenhouse and garden insects and disease; ability to identify the pest and select proper control measures

Greenhouse Gardener I.....	New
Greenhouse Gardener II	New