Soil and Plant Scientist (19-1013.00)

At-a-Glance Statistics





Sample Job Titles

Agronomist, Agronomy Research Manager, Agronomy Specialist, Crop Nutrition Scientist, Extension Specialist, Microbiology Soil Scientist, On-Site Soil Evaluator, Research Soil Scientist, Soil Fertility Extension Specialist, Soil Scientist

Key Tasks

- Communicate research or project results to other professionals or the public or teach related courses, seminars, or workshops.
- Conduct experiments to develop new or improved varieties of field crops, focusing on characteristics such as yield, quality, disease resistance, nutritional value, or adaptation to specific soils or climates.
- Develop new or improved methods or products for controlling or eliminating weeds, crop diseases, or insect pests.
- Provide information or recommendations to farmers or other landowners regarding ways in which they can best use land, promote plant growth, or avoid or correct problems such as erosion.
- Develop environmentally safe methods or products for controlling or eliminating weeds, crop diseases, or pests.
- Investigate soil problems or poor water quality to determine sources and effects.
- Conduct experiments investigating how soil forms, changes, or interacts with land-based ecosystems or living organisms.
- Conduct research to determine best methods of planting, spraying, cultivating, harvesting, storing, processing, or transporting horticultural products.
- Investigate responses of soils to specific management practices to determine the effects of alternative practices on the environment.
- Develop methods of conserving or managing soil that can be applied by farmers or forestry companies.

Education and Training

Doctoral Degree

44%



26%



15%

Top Industries



Educational Services
Professional, Scientific,
and Technical Services

Number Employed



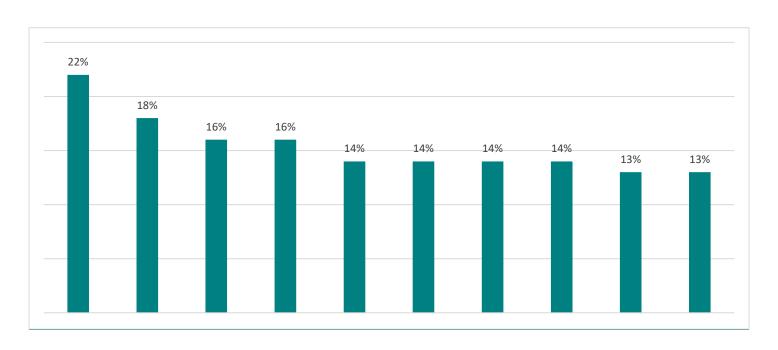
18,000 positions 2,200 job openings

Median Wages





Top Ten States for Occupational Percentage Growth



KS NC CO OR MN MO UT CA AZ TX