Soil and Plant Scientists 19-1013.00





Description: Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock.

Other Resources:

ONET Link MyNextMove Link

Sample of Reported Job Titles: Agronomist, Arboriculture Researcher, Crop Nutrition Scientist

Job Zone

Title: 5 - Extensive Preparation Needed

Education: Require graduate school.

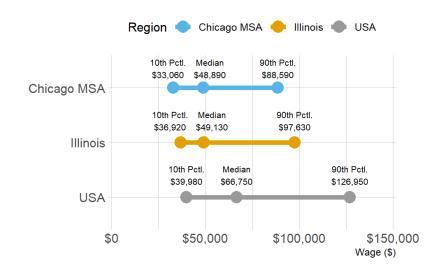
Experience: Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience.

Training: May need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.

Core Certifications: Certified Professional Agronomist, Certified Crop Advisor, Board Certified Entomologist, Certified Crop Adviser -Resistance Management Specialty

Hot Technologies: Autodesk AutoCAD, ESRI ArcGIS software, IBM SPSS Statistics, Microsoft Access, Microsoft Active Server Pages ASP, Microsoft Office Suite, R

Region	Employment	Location Quotient	Median Wage
Chicago MSA	690	1.48	\$48,890
Illinois	960	1.53	\$49,130
USA	15,610	-	\$66,750



Top 5 Core Tasks According to Current Job Holders

Frequency (out of 100) Communicate research or project results to other professionals or the public or teach related More than weekly courses, seminars, or workshops. Provide information or recommendations to farmers or other landowners regarding ways in More than which they can best use land, promote plant growth, or avoid or correct problems such as monthly erosion. Develop methods of conserving or managing soil that can be applied by farmers or forestry More than companies. monthly 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 Daily specific soils or climates. More than

yearly

Importance

Investigate soil problems or poor water quality to determine sources and effects.