

ENVIRONMENTAL SCIENTIST & SPECIALIST

Environmental Scientist and Specialist provide the means to comply with company programs and regulatory requirements through land and nutrient management facilities.

WHAT RESPONSIBILITIES WILL I HAVE?

- Study living organisms and their relationship to their environment
- Investigate the growth and characteristics of microscopic organisms such as bacteria, algae, or fungi
- Use biotechnology to advance knowledge of cell reproduction and disease in plants
- Direct nutrient analysis and establish testing systems for fertilizer products including on-site field tests and quality control
- Improve and develop products, lead research and development efforts to expand product lines
- Conduct tests to sample environmental products for the appearance of microscopic organisms
- Act as a liaison with other departments on microbiological and sanitation issues
- Manage ecological studies to assess the environmental fate of plant biotechnology traits and evaluate potential effects on soil organisms and microbial processes
- Research problems dealing with life processes and living organisms
- Conduct product development to preserve and repair the natural environment
- Work in teams, interacting with engineers, scientists of other disciplines, business managers, and technicians
- Analyze scientific data, and perform quality control checks
- Conduct various field research activities
- Characterize plants for agronomic traits and animals for development traits



WHAT EDUCATION & TRAINING IS REQUIRED?

Advanced degree in biology or a related field, such as horticulture, chemistry or environmental science

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, mathematics, earth science, chemistry, biology, botany

TYPICAL EMPLOYERS

Research firms, government organizations, schools/universities and environmental organizations

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- Ecological Society of America
- World Association of Soil and Water Conservation

AVERAGE ANNUAL FULL-TIME SALARY

\$74,000