



Position: Soil Health Partnership Data Management Specialist – Full-Time Position

POSITION PURPOSE

The Data Management Specialist role supports Soil Health Partnership’s on-farm research program by engineering and maintaining an efficient system for integrating and managing our diverse data across multiple sources, geographies and scales. These data include, but are not limited to, farm management and farm financial data, soil sampling results, aerial imagery and/or remotely sensed data, and precision agricultural data. The role has several major responsibilities:

- Developing a relational geodatabase that integrates all data sources
- Evaluating suitability of existing procedures and software platforms to support advanced geodatabase applications
- Automating processes for data collection and integration
- Developing and automating processes for timely data reporting and analysis for farmers and other partners

This role reports to the SHP Lead Scientist.

Positional Competencies:

- Ability to work in a team setting and work across departments
- Strong organizational skills including attention to detail
- Experience designing, maintaining, and optimizing relational geodatabases
- Experience establishing, managing and optimizing databases for diverse user experiences and applications
- Familiarity with analytics and extant and emerging platforms
- Strong communication skills

Qualifications:

- Education and/or experience equivalent to a Master’s degree or PhD in Geography, Data Science or related discipline
- Advanced technical skills in precision agricultural or geospatial data management, statistics, and information technology applications for data integration or agricultural data
- Advanced skills in ESRI software or other geospatial analysis package
- Advanced coding skills in Python, SQL and/or R



Desired Skills/Experience:

- Working knowledge of field crop production, U.S. agricultural supply chains, and soil health practices and management systems
- Agronomy training or experience, including understanding of nutrient use and application in agricultural systems
- Research background
- Strong written communication skills
- Strong network of experts and knowledge of key organizations and resources in this space

Program Core Competencies:

- Customer support and focus - Responsive to the needs of members and prospects. Takes personal responsibility for service delivered. Is courteous and responsive to members. Sets realistic expectations with members regarding requests for additional services.
- Team support - Is seen as a collaborator and one who can contribute in a team setting. Encourages all members to participate, and keeps the team focused on goals and objectives. Demonstrates a willingness to work with all those involved in the task at hand.
- Initiative - Acts independently while working to achieve performance objectives. Takes action to improve or remedy situations that may be problematic by offering solutions, insights, and suggestions to those involved.
- Adaptability - Adapts to change, is open to new ideas, takes on new responsibilities, handles pressure, and adjusts plans to meet changing needs.
- Results Focus - Can be counted on to meet or exceed goals; pushes self and others for results; is a conscientious worker who can be relied upon to handle unforeseen obstacles.
- Judgment - Uses good problem solving and analytical skills in making decisions. Thinks through the impact of decisions and actions on other people and programs.
- Coordination- independently cross-checks data, projects, and communications across geography and multi-level collaborations with partnering organizations.

Location: The location for this position is flexible. Location in Washington DC or Minneapolis, MN encouraged.

To apply, please send a resume and cover letter to soilhealth@ncga.com.



ABOUT NATIONAL CORN GROWERS ASSOCIATION – SOIL HEALTH PARTNERSHIP (SHP)

The Soil Health Partnership is a farmer-led initiative that fosters transformation in agriculture through improved soil health. Administered by the National Corn Growers Association (NCGA), the partnership has more than 220 working farms enrolled in 16 states. SHP's mission is to utilize science and data to partner with farmers who are adopting conservation agricultural practices that improve the economic and environmental sustainability of the farm. For more information, visit <https://soilhealthpartnership.org>