

**Visiting Research Scientist**  
Crop Sciences  
College of Agricultural, Consumer and Environmental Sciences  
University of Illinois at Urbana Champaign

WE TRANSFORM LIVES.

Everything we do is designed to improve the quality of life of the people in the state of Illinois, across the nation, and around the world. We discover, develop, translate, and disseminate knowledge to address societal concerns and train the next generation of experts and leaders in a way that empowers them to expand the boundaries of science to higher levels of understanding and influence.

The Department of Crop Sciences within the College of Consumer, Agricultural, and Environmental Sciences offers world-class laboratory, greenhouse, and field research facilities as well as state of the art teaching facilities. The University of Illinois also offers outstanding facilities in computing, data science, and genomic analysis as well as many other areas of potential support.

The University of Illinois is an Equal Opportunity, Affirmative Action employer that recruits and hires qualified candidates without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status. For more information, visit <http://go.illinois.edu.EEO>

**PRIMARY FUNCTION**

The qualified candidate will measure and publish on biophysical aspects of diversity across a gradient of cropping systems in the Midwest as part of a collaborative team of farmers, scientists, and stakeholders.

**DUTIES AND RESPONSIBILITIES**

- Develop and independently execute experimental protocols within a larger collaborative team.
- Report on research findings through team presentations, written reports, scientific meetings, public engagement, and peer-reviewed publications.
- Develop research plan to assess biophysical indicators associated with cropping system diversity across gradients of practice duration, edaphic conditions, and system complexity.
- Connect academic and public stakeholders in support of shared learning outcomes.
- Provide research and extension support to collaborative team diversifying cropping systems in the Midwest.

**EDUCATION**

Required: Master's in Agriculture or closely related field

Preferred: PhD in Agriculture or closely related field

**EXPERIENCE**

**Required:**

3-5 years of field experience in areas such as biodiversity, systems agronomy, or ecology

1-3 years of team science experience

Willingness or experience working with regional field research.

**Preferred:**

1-3 years of team management experience.

Publications in peer-reviewed journals.

Ability to design, conduct, analyze and report field experiments.

**KNOWLEDGE, SKILLS and ABILITIES**

Fundamental scientific understanding of life science, nutrient cycling and mass and energy balance.

Knowledge of ecological principles of biodiversity and cropping systems.  
Data management, analysis, and communication skills.  
Excellent writing and oral communication skills, strong organizational skills, and effective data visualization.  
Self-motivated to work independently in field environments.  
Ability and willingness to communicate effectively with people of diverse backgrounds and experiences to create a collaborative, collegial, and caring community.  
Willingness to listen to and accept new ideas, alternatives and perspectives.  
Preferred: Knowledge of, or willingness to learn, R, ArcGIS, and DayCent or APSIM ecosystem models.

### **APPOINTMENT STATUS**

This is a 12-month, 100%-time academic professional position. This position may become permanent in the future.

### **SALARY**

Salary will be commensurate with qualifications and experience

### **PROPOSED STARTING DATE**

This position is available as soon as possible after the closing date.

### **APPLICATION PROCEDURES**

**Please upload a cover letter indicating your qualifications, resume, and contact information for three professional references by February 6, 2023. All requested information must be submitted for your application to be considered.**

For further information regarding the position, please can contact Dr. Emily Heaton, [heaton6@illinois.edu](mailto:heaton6@illinois.edu)

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