Department of Soil, Water, and Climate
& Department of Bioproducts and Biosystems Engineering

Assistant Extension Professor

Irrigation/Water Quality Specialist

The Department of Soil, Water, and Climate and the Department of Bioproducts and Biosystems Engineering at the University of Minnesota seek to hire an irrigation specialist who can provide expertise and educational programming on efficient water and nutrient use for irrigators in Minnesota.

See the full position description and learn more about the Department of Soil, Water, and Climate at www.swac.umn.edu/about-us/employment.

About the Job:

- Full time, 12 month, non-tenure track appointment
- Located at the Twin Cities flagship campus of the University of Minnesota in Minneapolis/St. Paul, housed in the Department of Soil, Water, & Climate in St. Paul
- 100% Extension
- 70% Department of Soil, Water, & Climate, 30% Department of Bioproducts and Biosystems Engineering

Responsibilities:

- Provide leadership and effective Extension programming on issues related to irrigation
- Conduct applied research on irrigation technology to improve water use efficiency, sustain agricultural production, and enhance protection of water resources
- Expand and update evapotranspiration (ET) weather stations and irrigation scheduling tools to meet current needs and technology
- Develop and update a series of irrigation best management practices (BMPs) related to water scheduling techniques such as soil moisture monitoring, plant moisture stress monitoring, and tools needed to determine real-time deficits

- Work closely with nutrient management specialists, hydrologists, climatologists, and extension educators within the department, college, and state agencies

Salary and Benefits:

- Competitive and commensurate with experience and qualifications
- Benefits include: University retirement; group life, medical, and dental
- Detailed benefits can be found at http://www1.umn.edu/ohr/benefits/index.html

Qualifications:

Minimum

- Earned Ph.D. degree in soil science, water resources science, hydrology, biosystems engineering, crop science, agronomy, or related field;
- Research or practical experience working with irrigated crops and irrigation scheduling;
- Basic understanding of the interactions between plant-water relationships and nitrogen fertilizer;
- Demonstrated achievement in written communication.

Desired

- Broad understanding of irrigation management impacts on hydrology, groundwater processes, and nitrate contamination;
- Experience in educational programming and documented effectiveness in conducting applied research;
- Experience working effectively in interdisciplinary research and extension teams and with diverse clientele groups;
- Excellent oral communication skills

How to Apply:

All applicants must apply online. For the full position description and information on how to apply, visit www.swac.umn.edu/about-us/employment.

Applications must include a cover letter with a summary of extension and research interests especially related to irrigation and crop/nutrient management, a detailed resume, a copy of undergraduate and graduate

transcripts, and the names and addresses of three persons who would serve as references.

Review of applications will begin October 18th, 2017 and continue until the position is filled.

Background Check:
Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work at the University of Minnesota. Criminal convictions do not automatically disqualify finalists from employment.

Diversity:
The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: http://diversity.umn.edu.