



## **Assistant Professor Agricultural Systems Modeler**

**Department of Plant and Soil Sciences  
Division of Agricultural Sciences and Natural Resources  
Oklahoma State University – Stillwater, Oklahoma**

### **POSITION DESCRIPTION**

The Department of Plant and Soil Sciences, Oklahoma State University is seeking applicants for an 11-month, tenure-track faculty position to develop a world-class research (75%) and teaching (25%) program in the field of agricultural systems modeling and agroclimatology. The successful applicant will lead independent and collaborative efforts to describe the climate-related risks and vulnerabilities, especially water limitations, facing agricultural systems in the US Southern Great Plains and beyond and to identify promising near-term and long-term adaptation strategies to enhance the socio-ecological resilience and sustainability of these systems. The successful applicant will play an important role in Oklahoma's NSF EPSCoR Research Infrastructure Improvement project titled "Adapting Socio-Ecological Systems to Increased Climate Variability". As such, the successful applicant will be expected to vigorously participate in interdisciplinary research with project research scientists from across a broad array of agricultural, ecological, and social science disciplines and project institutions. For more information on the NSF EPSCoR project, see <http://www.okepscor.org/research/climate-variability-research>.

To identify pathways to improve adaptation to climate variability and change, this individual will use systems models capable of integrating key components of agricultural landscapes including soil, water, atmosphere, vegetation, livestock, and management and capable of operating at regional, national, or global scales. Toward this end, the individual will interact with partners such as the South Central Climate Science Center and the USDA Southern Plains Climate Hub. This individual will also develop and teach a new undergraduate course in agroclimatology and one or more graduate courses based on his/her expertise and department needs. The successful applicant will be expected to publish in top peer-reviewed journals, to secure extramural research funding at the state and federal level, and to actively participate in graduate student advising and mentoring.

### **QUALIFICATIONS**

Minimum qualifications include: i) a Ph.D. in crop, soil, or atmospheric science or related field with emphases in agricultural systems modeling and agroclimatology, ii) excellence in English language written and oral communication, iii) a record of publication in quality peer-reviewed journals, and iv) a demonstrated ability to work effectively in an inter-disciplinary, team environment. Preferred qualifications include: i) previous experience with integrated agricultural systems modeling at regional, national, or global scales, ii) familiarity with climate and water related risks facing agricultural systems in the US Southern Great Plains, iii) experience teaching agroclimatology or related subjects, and iv) a demonstrated ability to develop successful proposals for extramural funding.

**RANK**

Assistant Professor

**SALARY**

Salary is competitive and commensurate with education and experience. Hiring is contingent upon availability of funding.

**APPLICATION DEADLINE**

December 1, 2014, or until a suitable candidate is identified.

**DATE POSITION AVAILABLE**

July 1, 2015

**APPLICATION PROCEDURE**

Applicants should submit a letter of interest, curriculum vitae, a statement of teaching philosophy, and official transcripts to: Tina Johnson, Department of Plant and Soil Sciences, Oklahoma State University, 368 Agricultural Hall, Stillwater, OK 74078-6028. Phone: 405-744-6130, Fax: 405-744-0354, E-mail: [tina.r.johnson@okstate.edu](mailto:tina.r.johnson@okstate.edu). Applicants should also arrange for three letters of reference to be sent directly to the same address.

Oklahoma State University is an Affirmative Action/Equal Opportunity/E-verify employer committed to diversity and all qualified applicants will receive consideration for employment and will not be discriminated against based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. OSU is a VEVRAA Federal Contractor and desires priority referrals of protected veterans for its openings. OSU-Stillwater is a tobacco-free campus.