

GRA Position #532 – Agricultural Micrometeorology

Position Graduate Research Assistant (Ph.D.), 0.5 time

Location Department of Agronomy
Throckmorton Plant Sciences Center
Kansas State University
Manhattan, KS 66506-5501

Position Description A graduate research assistantship is available for a project focused on increasing water productivity, nutrient efficiency and soil health in rainfed food systems of semi-arid US Southern Great Plains. The successful candidate will work as a member of a multidisciplinary collaborative team with researchers from different institutions in the United States. The primary responsibilities of the successful candidate will be to: 1) quantify field-scale crop evapotranspiration and CO₂ fluxes using micrometeorological techniques (e.g. the eddy covariance approach); 2) to test and validate approaches for partitioning evapotranspiration into plant transpiration and soil evaporation; 3) to oversee field and laboratory experiments; 4) to perform data analysis, present research results in professional meetings, and publish papers in peer-reviewed journals; and 5) to complete all the course work necessary to pursue a Ph.D. degree with a dissertation related to the research topic.

Qualifications

- B.S. or M.S. in Agronomy, Micrometeorology or related field.
- Some experience with field observations, data acquisition and processing is desirable.
- Demonstrated excellence in course work, written, quantitative, and oral communication skills.

Stipend Annual PhD stipend is \$29,388. Graduate Research Assistants are considered Kansas residents for tuition purposes and are responsible for paying tuition and fees.

How to Apply Applicants should send a statement of educational and career objectives, resume, transcripts (TOFEL scores for international applicants), and three references to:

Dr. Eduardo Santos
Associate Professor
Department of Agronomy
Kansas State University
2004 Throckmorton Plant Sciences Center
Manhattan, KS 66506, Ph: 785-532-6932; E-mail: esantos@ksu.edu

Further information about graduate studies at KSU Department of Agronomy can be found at: <http://www.agronomy.ksu.edu> or by contacting Robert Berry at rwb7@ksu.edu

Date Available Spring 2019

Screening of applicants begins immediately and will continue until position is filled.