

- **Postdoctoral Research Associate**

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- - Amarillo AL-RSCH

- **Apply**

- **Job Title**

Postdoctoral Research Associate

Agency

Texas A&M Agrilife Research

Department

Amarillo

Proposed Minimum Salary

Commensurate

Job Location

Amarillo, Texas

Job Type

Staff

Job Description

Duties

Provide primary support to the Associate Professor and Extension Agronomist (Amarillo, TX) and the Associate Professor of Air Quality Engineering (Amarillo, TX) in the design, establishment, execution, and interpretation of field- and plot-scale experiments associated with greenhouse gas and ammonia emissions from soils, soil health, forage production, and land application of synthetic fertilizers and fertility products derived from dairy manure. Coordinate field activities with on-farm cooperators and conduct including but not limited to; sampling soil gases, soil, forages, and irrigation water, making in-field soil measurement to capture changes in soil physical properties, and coordinating field operations associated with planting, fertilizing, irrigating, cultivating, and harvesting research plots and fields. Keep detailed records of field operations and data. Use computers and technical equipment to perform data analysis, statistical analysis, and technical evaluation of research experiments and results; summarize results for inclusion in scientific and clientele-oriented publications. Use presentation graphics and multimedia to develop presentations and documents in support of faculty supervisors. Write research reports and make oral presentations. Supervise technical support staff, graduate students, and/or student workers, as assigned. Prepare and write supplementary proposals to funding agencies; maintain financial records related to research projects. Coordinate use of shared equipment with cooperating farmers, other researchers, and farm superintendents. Specify and acquire necessary parts, equipment, materials, and supplies; install, operate, and repair research equipment. Serve on appropriate committees of Texas A&M AgriLife Research-Amarillo, as assigned. Perform other, related duties as assigned.

Supervision

The incumbent will report to the Associate Professor and Extension Agronomist (Amarillo, TX) and the Associate Professor of Air Quality Engineering (Amarillo, TX), who will be responsible for direction, technical guidance, project scheduling, and performance review. The incumbent may supervise technical support staff, graduate students, and undergraduate student workers.

Minimum Education

A doctoral degree in agriculture, agronomy, soil science, crop science, environmental science, or closely related field.

Minimum Experience

Five years of professional experience in agricultural or biological research.

Preferred Experience

Seven years of professional experience in agricultural or biological research, including demonstrated experience with soil gas emissions, agronomy, and soil science with experience in soil health assessment, carbon balances, forage quality.

Knowledge, Abilities, and Skills

Familiarity with appropriate technical equipment; ability to use a computer and software effectively to create databases, perform statistical analyses, present data, and perform other computer-related tasks; ability to multi-task and work cooperatively with others.

Ability to communicate effectively. Strong organizational skills, excellent communication and documentation skills. Must be a self-starter who is able to work independently and by interacting with other research teams.

Ability to establish effective working relationships with scientists, engineers, laboratory personnel and farm staff. Physical ability to perform field work in outdoor settings. Must be able to tolerate working under a wide range of environmental conditions in an agricultural setting.

Other Requirements:

Travel connected with official duties will be required. Will have to work away from the office on occasion requiring overnight absences. Must be willing to work necessary hours to fulfill job responsibilities.

The successful candidate is required to answer all questions and attach a CV/resume.

All positions are security-sensitive. Applicants are subject to a criminal history investigation, and employment is contingent upon the institution's verification of credentials and/or other information required by the institution's procedures, including the completion of the criminal history check.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

- Apply
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