

**Graduate Research Assistant Masters – *SOIL SUSTAINABILITY IN IRRIGATED CORN***  
**Department of Soil and Crop Sciences**  
**Colorado State University**

We seek a highly motivated Master's student to conduct field research on sustainable agricultural production and carbon cycling in irrigated corn-based agroecosystems. Student will have the opportunity to develop a project examining SOC formation and stabilization pathways under sprinkler-irrigated corn using stable isotope and compound-specific methods. This work is part of a larger effort quantifying greenhouse gas emissions, soil microbial community and N cycling. Student will be co-advised by Drs Catherine Stewart and M. Francesca Cotrufo and choose to earn their degree through the Graduate Degree Program in Ecology (GDPE) or through the Department of Soil and Crop Sciences.

The position requires a minimum of a BSc in biology, plant science, soil science, ecology or closely related field. Preferred applicants will have previous experience with field work involving soil biogeochemistry/ecology and good writing and quantitative skills. Funding is available for 2 years, with potential continuation, contingent upon performance and availability of funding.

To apply e-mail a CV, transcripts, a statement of interest and contact information for two references to Catherine Stewart at [catherine.stewart@ars.usda.gov](mailto:catherine.stewart@ars.usda.gov) at their earliest convenience. Applications will be accepted until the position is filled; however, to ensure full consideration applications should be submitted by March 1, 2016. The anticipated starting date for the position is Summer or Fall 2017, but is negotiable.

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

Colorado State University strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, Colorado State University conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

For any further information about the position please do not hesitate to contact:

Dr. Catherine Stewart, [catherine.stewart@ars.usda.gov](mailto:catherine.stewart@ars.usda.gov)