



College of Agricultural & Environmental Sciences

UNIVERSITY OF GEORGIA

Assistant Professor: Extension Specialist Precision Agriculture Systems

The Department of Crop and Soil Sciences (CRSS) within the College of Agricultural and Environmental Sciences (CAES) at the University of Georgia is seeking an outstanding and qualified candidate for a full-time (9-month appointment with two-months of guaranteed summer salary), 75% Extension / 20% Research / 5% Service tenure-track faculty position based at the University of Georgia's Tifton Campus in Tifton, GA (<http://tifton.caes.uga.edu/>). The successful candidate is expected to develop a local, state, regional, national, and internationally recognized Extension program broadly focused on the area of Precision Agriculture. Specific areas of emphasis will be based on the candidates' strengths and will include topics such as Advanced Precision Machinery and Technology Systems, Precision Irrigation, Remote Sensing and Unmanned Aerial Vehicles, Autonomy in Agriculture, Advanced Water and Nutrient Management, Digital Agriculture and other related fields and topics. Successful candidates will demonstrate experience and a desire to focus on Extension work including building close connections and interactions with regional and county-level agents and industry.

The successful candidate is expected to:

- Develop strong, externally funded **Extension** and research programs in one or more of the following areas:
 - Utilization and implementation of precision-agriculture technologies such as yield monitors, field mapping, remote sensing, advanced data mapping and collection for site specific agriculture
 - Evaluation and education in digital agriculture for producers
 - Implementation of Precision Irrigation and Advanced Water Management Strategies directly applicable to GA producers.
 - Utilization of systems such as guidance systems for off-road vehicles and control systems and sensors for variable rate application
 - Use of drones for herbicide and seeding applications
 - Development of field experiments as related to precision technologies
 - Development and evaluation of machinery systems such as planters, fertilizer spreaders, sprayers, harvesters, tillage equipment and other equipment utilized in field operations.
- Work with the existing UGA Precision Agriculture Team and other faculty within CAES, the College of Engineering, the Institute for Integrative Precision Agriculture, and related disciplines to provide leadership in precision agriculture solutions to crop production in the southeastern U.S.
- Develop both Extension and research materials which can be presented at local, regional, national and international meetings.
- Mentor graduate students and collaborate with Georgia county agents.

All applicants must possess a Ph.D. in mechanical/biological/agricultural/biosystems engineering, agronomy, crop and soil sciences, or related field with documented expertise in Precision Agriculture as it relates to the candidate's area of knowledge.

Preferred Qualifications: The successful candidate should have a solid background in the areas listed above, a demonstrated record of scholarship, show evidence of potential to secure extramural funding, and be able to perform and publish high quality integrated work. Excellent oral and written communication skills are critical for success in this position as it includes a large appointment in Extension. The ability and desire to work collaboratively in an interdisciplinary environment is expected.

Additional Requirements:

Documented expertise in Precision Agriculture and experience working providing programing for county-level Extension faculty and growers.

The job list can be found on UGA's jobsite at <https://www.ugajobsearch.com/postings/388076>, Please contact the committee chair Dr. Wesley Porter at wporter@uga.edu for inquiries, questions, or interest in the position.