



UNIVERSITY OF
GEORGIA

College of Agricultural & Environmental Sciences

Department of Crop & Soil Sciences

Graduate Research Assistantship (MS/PhD) in Precision Agriculture

The Department of Crop and Soil Sciences at the University of Georgia is seeking qualified applicants for a graduate research assistantship (MS/PhD level) in the Precision Agriculture program, with research focused in testing and evaluation of advanced site-specific and variable-rate technologies to improve application accuracy and placement of crop inputs (seed, fertilizer and chemical). The selected candidate in this position will be expected to work with different precision technologies on agricultural machinery including planters, sprayers, spreaders, and harvest machinery, sensors and control systems, unmanned aerial systems, spatial data management and data analysis software packages. The selected candidate will be expected to design and execute research trials, collect and analyze field data, produce project reports, present research findings at various conferences and extension events, and publish research findings in peer-reviewed journals and extension publications.

The GRA will be primarily based on the University of Georgia Tifton Campus (<https://tifton.caes.uga.edu/>) and will undertake the required graduate coursework and research on Tifton campus. Preferred start date is Summer 2023 with a possibility of early Spring start date if required and depending on candidate's qualifications and experience.

Required Qualifications:

- Bachelor's (or Master's for PhD) degree in crop science, soil science, agronomy, agricultural engineering, environmental science or related fields
- Strong interest in sensors and controls, agricultural machinery, variable-rate application, crop and soil science, agronomy, and/or precision ag technologies
- Ability to communicate effectively in oral and written formats
- Ability to work independently as well as collaboratively in an interdisciplinary team
- Must have a driver's license or the ability to obtain one within first semester

Interested applicants should contact Dr. Simerjeet Virk (svirk@uga.edu), Assistant Professor & Extension Precision Ag Specialist. Please enclose a pdf copy of the following documents in your email: 1) cover letter describing your qualifications and experience, 2) resume/CV, 3) unofficial copies of academic transcripts, 4) GRE and TOEFL scores (if applicable), and 4) contact information for three professional references. The position will remain open until qualified candidates are identified and selected.