

UF/IFAS
Soil and Water Sciences Department

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**UF/IFAS Soil and Water Sciences Department UF Invited Speaker Seminar
UF Water Institute Distinguished Scholar Seminar Series**

Speaker: [Davie Kadyampakeni, Ph.D.](#)
**Assistant Professor
Citrus Water and Nutrient Mgmt.
Soil and Water Sciences Department
2019 UF Water Institute Faculty Fellow**

Title: **Enhancing Water and Nutrient Use
Efficiency on Citrus Production
Landscapes in Florida**

Date: Wednesday, September 16, 2020

Time: 3:00 pm – 4:00 pm

Location: [Live Stream & Recording Via Zoom](#)



Current Florida citrus production is about 50% of national production. Good water and nutrient management are key strategies for maintaining high yields in citrus. My program seeks the following short-, medium- and long-term goals: 1) Develop and implement sustainable strategies that optimize water management for citrus production, conservation of water, and water quality; 2) Develop local and regional water use models taking into consideration citrus planting systems, tree water requirements, irrigation scenarios, and water use for cold protection; 3) Apply precision agricultural technologies for local and regional water management; and 4) Develop best management practices (BMPs) for water conservation and quality maintenance for surface and ground water sources. Current research targets optimizing nutrient and water application and delivery methods for achieving citrus best management practices. Approaches to achieve these goals include 1) conducting greenhouse and field experiments, and 2) performing computer simulations for soil-water-plant processes. Results at micro-, field and state-level show significant water and nutrient savings and increased input use efficiency with novel precision water and nutrient management methods. In addition, use of decision support tools has improved our understanding of nutrient and water movement thereby enabling agricultural practitioners implement BMPs in citrus production systems.

This seminar can be viewed live via this link: [Dr. Davie Kadyampakeni](#). The password is **724002**. All viewers will start in a waiting room and need to be admitted by the meeting host. Please email Robert Daffron (robert.daffron@ufl.edu) if you have any issues being admitted into the seminar. Viewers of the live stream may now ask questions by clicking on the message icon at the bottom. Questions will be read at

the end during the question and answer portion. In addition, all seminars are archived for viewing on our [SWSD Seminar Page](#).