UF/IFAS In-Service Training

Soil Health and Sustainability

Available to: UF/IFAS county and state Extension faculty.

Distance session: Available on-demand in Extension Online Learning through March 31, 2021.

Time to complete: 6-7 hours.

How to access the online training: Register in the PDEC In-Service Training system for IST# 31706, Soil Health ad Sustainability (Online). Use the link in the agenda posted there to enroll in the online course in UF/IFAS Extension Online Learning.

Description: Soil health is a term synonymous with soil quality. It refers to the chemical, biological, and physical characteristics of a soil. All these factors influence a soil's ability to function sustainably and to satisfy the needs of humans, support plants, and cycle elements, water, and energy between earth systems. This IST addresses the University of Florida's Extension Roadmap High-Priority Initiatives #1 (Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises) and #3 (Enhancing and conserving Florida's natural resources and environmental quality).

Agenda

	Topic	Speaker(s)
	Introduction, Pre-testing	Sarah Strauss; Kelly Morgan; Jehangir Bhadha
Module 1	Soil Health Planning Principles	Nathan Lowder, Southeast Regional Soil Health Specialist, USDA NRCS
Module 2	Field Based Determination of Soil Texture for Soil Health Assessments	Allan Bacon, Assistant Professor, Environmental Pedology, Soil and Water Sciences Department
Module 3	Soil Fertility and Crop Nutrition	Kelly Morgan, Professor and Center Director, Soil Fertility and Water Management, Southwest Florida Research and Education Center and Soil and Water Sciences Department
Module 4	Impact of Soil Microbiology	Sarah Strauss, Assistant Professor, Soil Microbiology, Southwest Florida Research and Education Center and Soil and Water Sciences Department
Module 5	Cover Crops and Rotation	Gabriel Maltais-Landry, Assistant Professor, Sustainable Nutrient Management Systems, Soil and Water Sciences Department
Module 6a	In-Field Soil Health Assessment	Dennis Chessman, Southeast Regional Soil Health Team Director, USDA NRCS
Module 6b	Soil Health Indicators	Jehangir Bhadha, Assistant Professor, Soil, Water and Nutrient Management, Everglades Research and Education Center and Soil and Water Sciences Department
	Post-testing, Evaluation	Sarah Strauss; Kelly Morgan; Jehangir Bhadha

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