

BMP success story

BMP implementation in North Florida
N fertilizer use efficiency has improved due to:

Suwannee Co.



Madison Co.



Gilchrist Co.



- Confidence in IFAS fertilizer recommendations.
- Precision application equipment.
- Better irrigation scheduling.

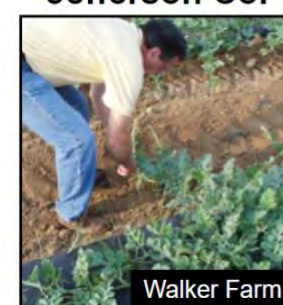
Madison Co.



Columbia Co.



Jefferson Co.



Gilchrist Co.



BMP Mini-Grant Project funded 2021-2022

Project Title	PI	Co-PI
Improving best management practices on equine operations through establishment of mixed warm-season grass-legume pastures: A model for facilitating peer-to-peer learning	Bainum, Caitlin	
Using Soil Moisture Sensors in Hay Fields to Apply Fertilizer at Optimal Times	Bennett, Laura H.	
The BMP Bundle!	Capasso, Jay	
Soil Fertilization Strategies	Darling, Courtney	Tomlinson, Paulette
Expanding statewide soil moisture sensor network to build capacity and collaboration with UF IFAS Extension agents, specialists, and FDACS technicians while encouraging producers to implement Best Management Practices	Goodiel, Yvette	Sharma, Vivek; Barrett, Charles; Hickey, Lisa; Mussoline, Wendy; Paolillo, Ajia; Steed, Shawn; Frey, Craig
Demonstration of cover crop BMPs to promote water conservation in Western FL 2021-2022	Johnson, Libbie	Mulvaney, Mike; Carter, Ethan; Schrimsher, Drew
Using Smartphone Technologies to Manage Irrigation	Miller, Luke	Barrett, Charles; Harlow, Luke; Fletcher, Prissy
Evaluating the Effects on Irrigation and Nutrient Efficiency in Sod Production Using Both Established and Advanced Next Generation BMP Technologies	Mussoline, Wendy	Dinkins, David; Unruh, Bryan; Sharma, Vivek
Precision irrigation and fertigation to create nutrient and water savings in Suwannee Valley watermelon production	Pittman, Tyler	Hochmuth, Bob; Barrett, Charles; Warren, Mark
Creating nitrogen savings in small to medium sized cow/calf operations through prescribed grazing of winter annual forages and legumes	Pittman, Tyler	
An Introduction to Drone Technology to Cost-Effectively Implement BMPs at Nurseries, Farms, and Ranches for Extension Agents and Producers	Elwakil, Wael	Steed, Shawn
Soil Mapping for Pastures and Hay Fields	Tomlinson, Paulette	
Applying UAV Technology to Correcting Nutrient Deficiency for Promoting BMP in Vegetable Production	Wang, Qingren	

Hemp BMP research at Citra in 2021

Dr. Lakesh Sharma, assistant professor & state BMP coordinator, UF/IFAS Soil and Water Sciences Dept.
Dr. Zack Brym, assistant professor of agroecology, UF/IFAS Tropical REC

A nitrogen rate trial with grain hemp variety indicating a range of 112-168 kg N/ha (or 100-150 lbs N/ac) by split application. Photos taken 50 days after planting.



(Photos courtesy: Navdeep Kaur, MS student, UF/IFAS Soil and Water Sciences Dept.)

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