



Field Demonstration

Climate-Smart Agriculture: Performance of Sweet Corn under Different Soil Amendment Types and Rates

What

PVAMU - [Cooperative Agriculture Research Center](#) and [Cooperative Extension Program](#) are organizing a **Field Demonstration** to share the result of a climate smart agriculture project that investigates how different soil amendment types and rates (biochar (2.5 t ha⁻¹ and 5.0 t ha⁻¹) and chicken and cow manures (0, 336, 672 kg total N ha⁻¹)) affect sweet corn response and the environment. Some of the questions that this research tries to answer include how do soil amendment types and rates affect:

Sweet Corn Production:

- Seed Germination?
- Plant performance: biomass and yield?
- Mineral composition of its biomass and grain?
- Crop nutrient uptake and leaching below the root zone?
- Water use and recharge below root zone?

Soil Health & Environment:

- Soil carbon dioxide (CO₂) emission?
- Soil physical, chemical, and hydraulic properties?

Other related Topics:

- Tips on how to successfully grow sweet corn.

When

Thursday, May 26, 2022
1:00 p.m. to 2:00 p.m.

Where

Prairie View A&M University
College of Agriculture and Human
Sciences
Governor Bill and Vara Daniel
Farm and Ranch

Funding Agency



United States Department of Agriculture
National Institute of Food and Agriculture

Team Members:

Researchers: R. Awal, R. Griffin, A. Fares, R. Ray, E. Risch, A. Rahman, A. Veetil, B. Thapa, A. Elhassan, N. Melaku.

Extension Personnel: Drs. Clarence Bunch and Kesha. Henry, Mr. Jeremy Peaches, and Derek Banks.

Farm Personnel: Dr. Alfred Parks, and Mr. Dwight. Rhodes.

Contact: Ali Fares, Endowed Professor of Water Security & Water-Energy-Food Nexus, Phone: (936) 261-5095, Email: AlFares@PVAMU.edu



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