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 (CO\(_2\)) emission ?
- Soil physical, chemical, and hydraulic properties?

**Other related Topics:**
- Tips on how to successfully grow sweet corn.

When
Thursday, May 26, 2022
12:00 p.m. to 1:00 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:
Farm Personnel: Dr. Alfred Parks, and Mr. Dwight. Rhodes.
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