# TEXAS A&MSoil Carbon AssessmentGRILIFEAcross Texas



## **Project Goal**

Establish soil organic carbon baseline levels across Texas in varying cropping systems

### What We Will Measure

Our labs will collect soil samples at depth (0-6, 6-12, 12-24, 24-36, 36-48, 48-60 inches) and analyze them to determine the impact of management practices on soil carbon.

Assessments include:

- Soil organic carbon
- Bulk density
- Routine soil analysis (0-6")
- Soil texture
- Soil pH and salinity
- Soil nitrogen

## **Funding Sources:**







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# WE NEED YOUR HELP TO MEASURE SOIL CARBON

Soil organic carbon is the fundamental building block of soil physical, chemical, and biological processes. It is extremely dynamic in nature and is easily influenced by inherent soil characteristics, environmental conditions, farming practices, and crop selection. For these reasons, soil organic carbon can vary drastically between farms. The purpose of this project is to understand how cropping system management practices can influence soil organic carbon potentials in cotton, corn, and sorghum production. We are seeking producers to allow us to sample their fields so we can better understand how soil organic carbon reacts to management practices. Conservation practices will be evaluated in comparison to "business as usual" cropping systems.

#### Management practices we are looking for -

- No-till, strip-till, conservation tillage
- Conservation irrigation
- Cover crops, crop rotations
- Integrated livestock grazing

Participating farmers will be receive a detailed report of their soil results.



Texas A&M AgriLife is assessing soil carbon in corn, cotton, and sorghum cropping systems in the Texas High Plains, Rolling Plains, Blackland Prairies, and South Texas.

Interested in participating? Contact us to set up an appointment for sampling in 2022.

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