

## Farmer Participation Information

Increasing soil organic carbon and soil organic matter in cropland and pastures has multiple benefits, including increasing nutrient and water storage capacity, resilience to climate change, and soil carbon sequestration which helps reduce carbon dioxide in the atmosphere.

Companies in a variety of industries want to reduce or offset their carbon footprint and are willing to pay farmers to implement soil conservation practices that sequester additional carbon dioxide in the soil. These transactions take place through a carbon market and can be an attractive source of additional revenue for farmers willing to implement and maintain new practices. This project will evaluate soil carbon testing methods, and if adding soil conservation techniques can generate enough carbon credits for farmers to consider taking the extra steps required to measure and sell their carbon credits.

The project will use Teralytic soil probes and Cornell and Penn State soil testing services to measure soil carbon and evaluate the impact of soil conservation techniques on soil carbon levels.

## Benefits for Participating

- Learn how much soil carbon you are capturing.
- See new soil testing methods on your farm.
- Consult with an agronomist on ways to maintain and improve your soil fertility, soil carbon and profits.
- Reimbursement of up to \$5,000 for cost to implement new soil conservation practices.
- \$500 honorarium for participation.



## Farmer Commitment

Farmers participating the project will be asked to commit to the following:

- Three-year commitment to the project.
- Add new soil conservation practices, determined by you in collaboration with a consulting agronomist, to improve soil carbon.
- Reserve a “control” field/area that does not incorporate the new soil conservation practices.
- Work with the Teralytic staff to allow them to install two soil probes that monitor and contrast the impact of the soil conservation practices. These probes will require protection from tractor

or livestock impact and must be installed somewhere within a crop field or pasture.

- Work with the TeamAg agronomist to make decisions concerning adoption of new soil conservation practices.
- Annual meetings with the TeamAg agronomist to review the soil probe and soil sampling data and potentially adjust field or pasture management.

Participants may be asked to host a field day to share information with area farmers

### For more information

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