



U.S. DEPARTMENT OF AGRICULTURE

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USDA Launches First Phase of Soil Carbon Monitoring Efforts through CRP

The U.S. Department of Agriculture (USDA) is investing \$10 million in a new initiative to sample, measure, and monitor soil carbon on Conservation Reserve Program (CRP) acres to better quantify the climate outcomes of the program. CRP is an important tool in the Nation's fight to reduce the worst impacts of climate change facing our farmers, ranchers, and foresters. This initiative will begin implementation in fall 2021 with three partners. Today's announcement is part of a broader, long-term soil carbon monitoring effort across agricultural lands that supports USDA's commitment to deliver climate solutions to agricultural producers and rural America through voluntary, incentive-based solutions.



These models include the Daily Century Model, or DayCent, which simulates the movement of carbon and nitrogen through agricultural systems and informs the [National Greenhouse Gas Inventory](#). Data will also be used to strengthen the [COMET-Farm](#) and [COMET-Planner](#) tools, which enable producers to evaluate potential carbon sequestration and greenhouse gas emission reductions based on specific management scenarios.

USDA partners will conduct soil carbon sampling on three categories of CRP practice types: perennial grass, trees, and wetlands.

Perennial grasses: In consultation with USDA, Michigan State University will sample and measure soil carbon and bulk density of CRP grasslands (including native grass plantings, rangelands, and pollinator habitat plantings) at an estimated 600 sites across the U.S. with a focus in the central states during this five-year project. This information will be used to model and compare the climate benefits of CRP. Partners include the University of Wisconsin-Madison, the University of Arkansas at Pine Bluff, Deveron, an agriculture technology company, and Woods End Laboratories.

Trees: Mississippi State University will partner with Alabama A&M University to collect above and below ground data at 162 sites across seven states documenting CRP-related benefits to soil and atmospheric carbon levels. Information will help further calibrate the DayCent model. This five-year project will focus within the Mississippi Delta and Southeast states.

Wetlands: Ducks Unlimited and its partners will collect data on carbon stocks in wetland soils as well as vegetation carbon levels at 250 wetland sites across a 15-state area in the central U.S. Data will support the DayCent and additional modeling. Partners for this five-year project include: Migratory Bird Joint Venture, Intertribal Research and Resource Center at United Tribes Technical College, Clemson University, Kenyon College, Lincoln University, Pennsylvania State University, the University of Missouri, and the University of Texas at Austin.

CRP Monitoring, Assessment, and Evaluation Projects

These three Climate Change Mitigation Assessment Initiative projects are funded through FSA's program to work with partners to identify [Monitoring, Assessment and Evaluation \(MAE\)](#) projects to quantify CRP environmental benefits to water quality and quantity, wildlife, and rural economies.

Applications for projects were welcome from all organizations, including public, private, nonprofit institutions, and educational institutions including historically Black colleges and universities, Tribal colleges and universities and Hispanic-serving institutions or organizations.

For more details on the all the awarded MAE projects, visit the [FSA Monitoring Assessment & Evaluation webpage](#).

About the Conservation Reserve Program

CRP is one of the world's largest voluntary conservation programs, with an established track record of preserving topsoil, sequestering carbon, reducing nitrogen runoff and providing healthy habitat for wildlife.

In exchange for a yearly rental payment, agricultural producers enrolled in the program agree to remove environmentally sensitive land from production and plant species that will improve environmental health and quality. In general, land is enrolled in CRP for 10 to 15 years, with the option of re-enrollment. [FSA offers multiple CRP signups](#), including the general signup and continuous signup, as well as Grassland CRP and pilot programs focused on soil health and clean water. In 2021, producers and landowners enrolled more than 5.3 million acres in CRP signups, surpassing USDA's 4-million-acre goal.

Earlier this year, [USDA announced updates to CRP](#) including higher payment rates, new incentives for environmental practices, and a more targeted focus on the program's role in climate change mitigation. This included a new Climate-Smart Practice Incentive for CRP general and continuous signups that aims to increase carbon sequestration and reduce greenhouse gas emissions. Climate-Smart CRP practices include establishment of trees and permanent grasses, development of wildlife habitat, and wetland restoration. Download the ["What's New" fact sheet](#) to learn more about CRP updates.

Linkage Requirements for Payments Received Under WHIP+ and/or QLA

If you received a payment under the Wildfires and Hurricanes Indemnity Program+ (WHIP+) or the Quality Loss Adjustment Program (QLA) for crop production and/or quality losses occurring in 2018, 2019, or 2020 crop years, you are required to meet linkage requirements by obtaining federal crop insurance or Non-Insured Crop Disaster Assistance Program (NAP) coverage at the 60/100 level, or higher, for both the 2022 and 2023 crop years.

When applying for WHIP+ or QLA, form FSA-895 (Crop Insurance and/or NAP Coverage Agreement) was submitted acknowledging the requirement to obtain federal crop insurance, if available, or NAP coverage if federal crop insurance is not available. The coverage

requirement is applicable to the physical location county of the crop that received WHIP+ and/or QLA benefits.

Producers should not delay contacting their federal crop insurance agent or local county FSA Office to inquire about coverage options, as **failure to obtain the applicable coverage by the sales/application closing date will result in the required refund of WHIP+ benefits received on the applicable crop, plus interest.** You can determine if crops are eligible for federal crop insurance or NAP by [visiting the RMA website](#).

Maintaining the Quality of Farm-Stored Loan Grain

Bins are ideally designed to hold a level volume of grain. When bins are overfilled and grain is heaped up, airflow is hindered and the chance of spoilage increases.

If you take out marketing assistance loans and use the farm-stored grain as collateral, remember that you are responsible for maintaining the quality of the grain through the term of the loan.

USDA and SCORE Joining Forces to Find Mentors

If you are a farmer or rancher, or have agricultural or business experience, join us in supporting the next generation and in investing in your local community. Your experiences and knowledge as a business owner, agricultural professional, or farmer can provide vital support to your community

USDA is collaborating with SCORE – score.org - the nation's largest network of volunteer, expert business mentors in an effort to expand the field of available agricultural mentors and provide free business mentoring to farmers, ranchers, and other agricultural and rural business owners. SCORE is currently looking for volunteers with experience in an agriculture-related field who would like to become part of an extended field of volunteers. The organization's Orientation and Mentoring Certification program provides volunteers with everything needed to be a successful volunteer. Training includes background about SCORE's mission and services, as well as guidance on how to be a business mentor, including enhancement of listening, interviewing and problem-solving skills.

Current mentors have backgrounds in finance, accounting, marketing, operations, business and financial planning. The mentors provide local expertise and free one-on-one business mentoring to new and existing farmers and business owners. Together they work through the process of starting or maintaining agricultural and rural businesses. No matter what stage a business is in, SCORE volunteer mentors can help in developing business plans, navigating financing and legal issues, identifying new markets, and other topics, in order to help their clients succeed. FSA invites you to learn more and sign up to become a mentor today at newfarmers.usda.gov/mentorship.



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