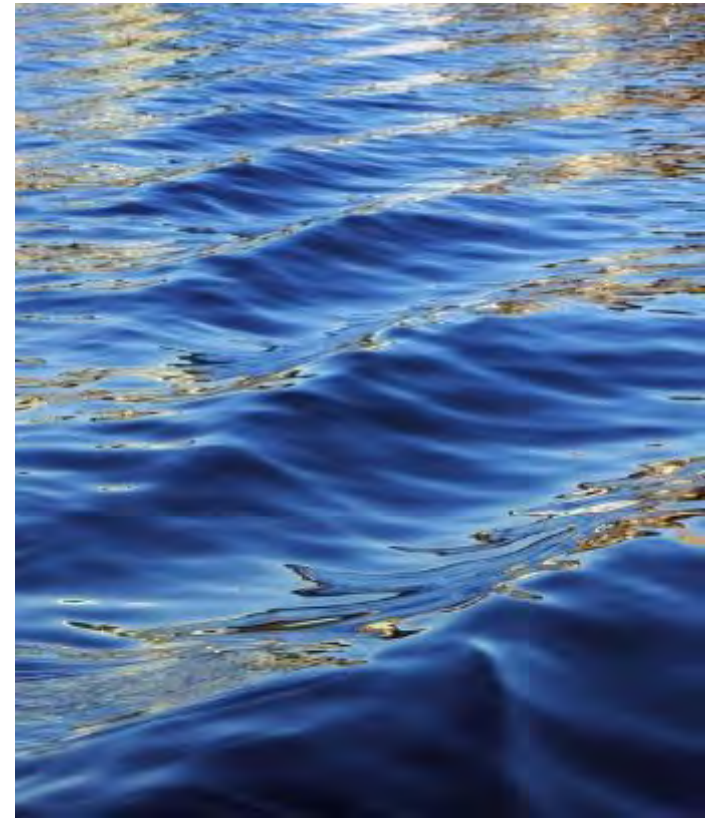


Expanding Climate-Smart Markets through Partnerships for Climate-Smart Commodities in the U.S.

Addressing Food Security Challenges by Promoting Data Driven Policymaking

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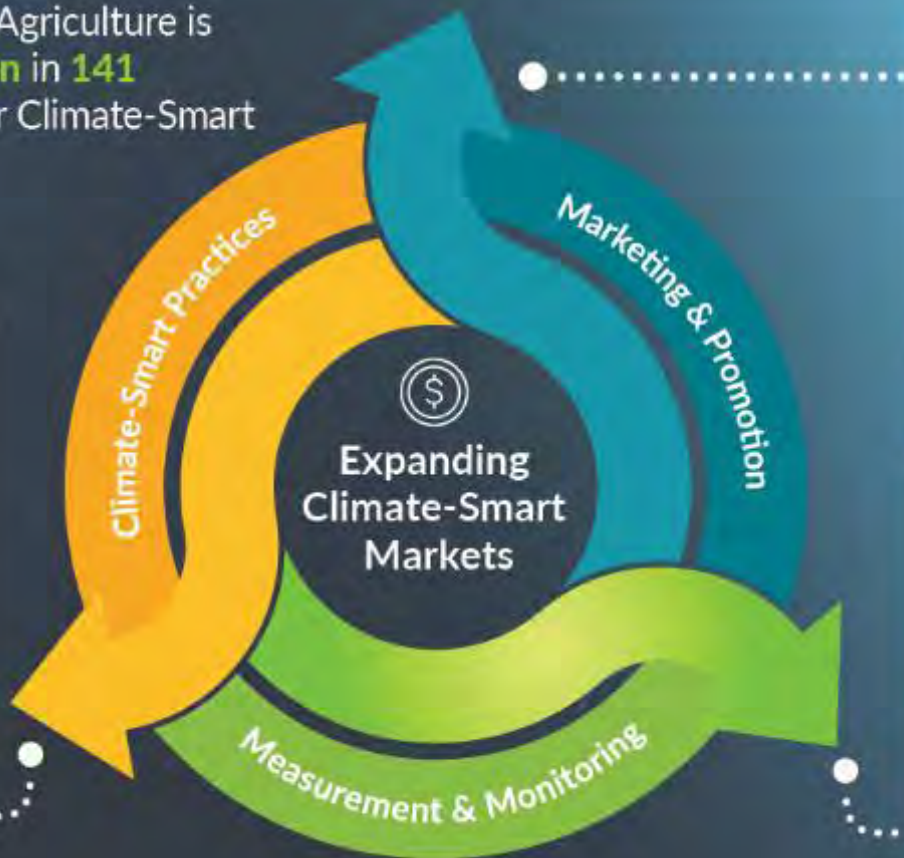


PARTNERSHIPS FOR CLIMATE-SMART COMMODITIES

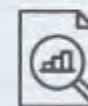
The U.S. Department of Agriculture is investing over **\$3.1 billion** in **141 selected** Partnerships for Climate-Smart Commodities projects.



Adoption of climate smart practices allows farmers access to new markets for climate smart commodities. By providing support for climate smart practice implementation, USDA can help farmers absorb risk associated with practices that often have high up front cost.



Marketing and promotion activities that will build and expand markets for the commodities being produced using climate-smart practices with premiums going to producers.



Greenhouse Gas Measurement, Monitoring, Reporting and Verification (MMRV) is critical to build consumer trust and build markets. Projects will test innovative MMRV systems for feasibility, affordability and low transaction costs.

Key Principles

- Focused on creating new opportunities and markets for agriculture and forestry
- Focused on partnerships
- Voluntary and incentive-based
- Farmer, rancher, and landowner-led
- Accessible to small and/or underserved producers
- Accessible to early adopters
- Agriculture is part of the solution to climate-change

Projects by Commodity

PROJECTS BY COMMODITY



Investments & Awards

PROPOSAL INVESTMENTS

Proposals for the

141

tentatively selected projects include plans to match



An average of

50%

of the federal investment with non-federal funds.

PROJECTS BY AWARD SIZE*

71

Under \$5M



22

\$5-20M

25

\$25M-45M

09

\$50M-65M

14

\$70M-95M

Diverse Partnerships



~100

universities, including more than 30 **minority-serving institutions**, engaged & helping advance projects.

20+

tribes and tribal groups engaged and leading on many projects across a wide geography.

Land & Markets



60,000

farms reached, encompassing

acres of working land

engaged in climate-smart
production practices.

25M



Hundreds of expanded markets

and revenue streams for producers and
commodities across agriculture ranging
from **traditional corn** to **specialty crops**.

Estimated GHG Benefits



More than **60 million metric tons** of carbon dioxide equivalent sequestered over the lives of the projects. This is equivalent to removing more than **12 million gasoline-powered** passenger vehicles from the road for one year.



Benchmarks

Required Quantitative Targets by Quarter (Cumulative)

- Number of producers involved
- Number of underserved producers involved
- Number of acres involved
- Number of head involved (if applicable)
- Dollars provided to producers
- GHG Benefits (Metric Tons of CO₂e Reduced or Sequestered)
- Number of new marketing channels established
- Number of marketing channels expanded
- Number of measurement tools utilized

Other Required Benchmarks:

- Outreach, training & other technical assistance
- Other MMRV & supply chain traceability attributes
- Other measurements of work related to marketing of commodities
- Demonstrated engagement of major partners
- Climate smart technologies employed (if applicable)



All Partnerships for Climate-Smart Commodities grants include quarterly benchmarks, including the required benchmarks above plus their own unique milestones that help track their progress in executing the innovative projects under their specific grant.



Dashboard: Partnerships for Climate-Smart Commodities Active Agreements

The screenshot shows a web browser window with the URL <https://www.usda.gov/climate-solutions/climate-smart-commodities>. The page features a dark blue header with the title "Partnerships for Climate-Smart Commodities" in white. Below the header is a navigation sidebar with the following links: "Equity at USDA", "Climate Solutions" (highlighted with a blue bar), "Partnerships for Climate-Smart Commodities" (sub-link), "Partnerships for Climate-Smart Commodities Project Summaries", "FAQs", "Climate Change Adaptation and USDA", "Food and Nutrition Security", and "More, Better, and New Market Opportunities". The main content area contains two paragraphs of text and a call-to-action box. The first paragraph states: "USDA is committed to supporting a diverse range of farmers, ranchers, and private forest landowners through Partnerships for Climate-Smart Commodities. This effort will expand markets for America's climate-smart commodities, leverage the greenhouse gas benefits of climate-smart commodity production, and provide direct, meaningful benefits to production agriculture, including for small and underserved producers." The second paragraph states: "USDA is investing more than \$3.1 billion for 141 projects through this effort and all the projects require meaningful involvement of small and underserved producers." The call-to-action box is light blue and contains an information icon, the heading "Partnerships for Climate Smart Commodities Finalized Agreements", and the text "To learn more about active Partnerships for Climate-Smart Commodities projects, please view the project dashboard link below." Below this text is a blue button labeled "Project Dashboard".

Partnerships for Climate-Smart Commodities

Equity at USDA

- Climate Solutions**
 - [Partnerships for Climate-Smart Commodities](#)
 - [Partnerships for Climate-Smart Commodities Project Summaries](#)
 - [FAQs](#)
 - [Climate Change Adaptation and USDA](#)
- [Food and Nutrition Security](#)
- [More, Better, and New Market Opportunities](#)

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USDA is investing more than \$3.1 billion for 141 projects through this effort and all the projects require meaningful involvement of small and underserved producers.

i Partnerships for Climate Smart Commodities Finalized Agreements
To learn more about active Partnerships for Climate-Smart Commodities projects, please view the project dashboard link below.

[Project Dashboard](#)

Dashboard: Partnerships for Climate-Smart Commodities Active Agreements

USDA **Partnerships for Climate-Smart Commodities Projects**
Expanding Climate-Smart Commodity Markets

- An In-Depth Overview
- How to Enroll
- FAQs

 55 States & Territories	 135 Projects	 102 Major Commodities	 197 Practices	 \$3.03 B Federal Funding*
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Click on a state to filter the map or use drop-down menu. To reset filters, click the Reset View button  on the toolbar.



*Total funding for all projects that potentially impact this area, commodity(ies), practice(s) and project(s) as filtered.



Partnerships for Climate-Smart Commodities Projects

Expanding Climate-Smart Commodity Markets



Download PDF

Farm Journal

Farm Journal

Link to Project Enrollment Opportunities: <https://www.trustinfood.com/grow>

Short Summary: Expands climate-smart row/specialty crop, beef, pork & other livestock markets in Plains, Southeast, Midwest & East Coast & supports farmer/rancher climate-smart practice implementation & monitoring.

Full Description:

Connected Ag Climate-Smart Commodities Pilot Project

This project will expand climate-smart markets for many agricultural commodities and provide direct payments, technical assistance, and data management strategies to producers of row crops, beef, dairy, pork, and other commodities to adopt climate-smart practices and strategies. The project plans to have Conservation Agronomists verify GHG outcomes in Years 2 and 3, working with project partners, including technology partners such as AGI/Farmobile, AgriWebb, SIMPAS, Trimble, and The Sustainability Consortium, to capture all necessary data points and conduct the required requirements analysis. Project partner Trimble will be responsible for using the COMET-Planner tool to quantify, monitor, report, and verify greenhouse gas benefits. The Sustainability Consortium plans to identify member companies in its network to source commodities that meet internal targets and supply chain goals in conjunction with producers. In addition, the project plans to rely on technology partners, including AGI/Farmobile, AgriWebb, SIMPAS, and Trimble, to design a data strategy that includes a framework for tracking climate-smart commodities through the supply chain. Additionally, the project plans to guide participating producers to sell their climate-smart commodities parallel with industry commitments. The project plans to provide outreach to enroll at least 50% underserved producers, including Hispanic, Black, American Indian, Asian, Native Hawaiian, or other Pacific Islander, women and small-farm operators.

Lead Partner: Farm Journal, Inc.

Other Major Partners: Tuskegee University, Association of Equipment Manufacturers**, AGI/Farmobile**, AgriWebb*, Certis Biologicals, Ducks Unlimited**, Farm Journal Foundation*, National Pork Board, SIMPAS**, The Sustainability Consortium*, Trimble*, US Round Table for Sustainable Beef**, American Breeders Service (ABS)*, Merck Animal Health.

Primary States Expected: AL, AR, CA, CO, IA, IL, IN, FL, GA, KS, KY, LA, MD, MI, MN, MO, MS, MT, NE, NC, ND, OH, OK, PA, SC, SD, TN, TX, VA, WI, WV, WY

Major Commodities: Corn, Soybeans, Wheat, Cotton, Potatoes, Beef, Dairy, Pork, Small Ruminants, Specialty Crops, Fruits, Vegetables, Tree Nuts.

Approximate Funding Ceiling: \$40,000,000

Approved Federal Funding: \$40,000,000

Non-Federal Match: \$439,294

Monitoring Highlights:

The project plans to have Conservation Agronomists verify GHG outcomes in Years 2 and 3, working with project partners, including technology partners such as AGI/Farmobile, AgriWebb, SIMPAS, Trimble, and The Sustainability Consortium, to capture all necessary data points and conduct the required requirements analysis. Project partner Trimble will be responsible for using the COMET-Planner tool to quantify, monitor, report, and verify greenhouse gas benefits.

Marketing Highlights:

The Sustainability Consortium plans to identify member companies in its network to source commodities that meet internal targets and supply chain goals in conjunction with producers. In addition, the project plans to rely on technology partners, including AGI/Farmobile, AgriWebb, SIMPAS, and Trimble, to design a data strategy that includes a framework for tracking climate-smart commodities through the supply chain. Additionally, the project plans to guide participating producers to sell their climate-smart commodities parallel with industry commitments.

Equity Highlights:

The project plans to provide outreach to enroll at least 50% underserved producers, including Hispanic, Black, American Indian, Asian, Native Hawaiian, or other Pacific Islander, women and small-farm operators.

Available Practices: 336 Soil Carbon Amendment, 340 Cover Crop, 374 Energy Efficient Agricultural Operation, 382 Fencing, 528 Prescribed Grazing, 590 Nutrient Management, 592 Feed Management, 643 Restoration of Rare or Declining Natural Communities, 657 Wetland Restoration, DIA 101 CNMP Design and Implementation Activity, FJ100 Climate-Smart Genetic Interventions for Terminal Beef Production

Dashboard:
See more detail on the project(s) of interest and link to the project enrollment website when available.



Active Partnerships for Climate-Smart Commodities Projects Expanding Climate-Smart Commodity Markets



State:
 Commodities:
 Practices:
 Applicant:
 Funding Callings:
[Click to Download Data](#)

Applicant	Short Agreement Description	States Covered Under Agreement	Major Commodities Under Agreement	Available Practices	MMRV Highlights
Accelerating Appalachia	Expands climate-smart fruit, vegetables, beef, pork, cotton, wool, row & specialty crop markets in GA, KY, NC, OH, SC, TN, VA, WV & supports farmer implementation & monitoring of climate-smart practices.	GA,KY,NC,OH,SC,TN	Fruits, Vegetables, Beef, Pork, Cotton, Wool, Row Crops, Specialty Crops	328 Conservation Crop Rotation, 348 Cover Crops, 345 Residue And Tillage Management - Reduced Till, 528 Prescribed Grazing, 311 Alley Cropping, 370 Forest Farming, 381 Silvopasture, 391 Riparian Forest Buffer, 422 Hedgerow Planting, 612 Tree And Shrub Establishment, 645 Upland Wildlife Habitat Management	COMET-Planner will be used to determine estimates of carbon impact on GHG. COMET-Farmer will be used to track out a historical and plot specific report. Soil carbon testing through Kansas State University will allow producers to monitor increases in soil carbon sequestration over time in their climate-smart implementation plots, and Working Trees, a venture out of Stanford University using smartphone camera and LIDAR, satellite remote sensing, and machine learning I empower producers to monitor the carbon impact of agroforestry efforts.
AgriCapture, Inc.	The project expands markets for climate-smart rice in AR, CA, LA, MD, MS, and TX and supports farmer implementation and monitoring of climate-smart practices that reduce greenhouse gas emissions or sequester carbon.	AR,CA,LA,MD,MS,TX	Rice	590 Nutrient Management, 345 Residue And Tillage Management - Reduced Till, 449 Irrigation Water Management, AgriCapture Furrow Irrigated Rice, AgriCapture Alternate Wetting And Drying, AgriCapture Pre-Season Drainage	For MMRV, the project plans to follow AgriCapture's Climate-Friendly™ Rice Standard, which uses IPCC equations and DNDC modeling for GHG benefits, representative soil sampling, in-field data collection activities including drone footage, ground level photos and videos, etc and use of remote sensing technologies to monitor changes practices.
American Forest Foundation	Expands climate-smart forestry markets in AL,CT,GA,IL,KY,MA,MD,ME,MI,MN,NC,NH,NY,OH,PA,SC,TN,VA,VT,WV,WI & supports forest landowner climate-smart practice implementation & monitoring	AL,CT,GA,IL,KY,MA,MD,ME,MI,MN,NC,NH,NY,OH,PA,SC,TN,VA,VT,WV,WI	Forestry	342 Critical Area Planting, 381 Silvopasture, 384 Woody Residue Treatment, 391 Riparian Forest Buffer, 490 Tree And Shrub Preparation, 612 Tree And Shrub Establishment, 860 Forest Stand Improvement	Currently, forest management and climate change mitigation projects in the US rely heavily on which uses a network of ground-based plots measured every 5-10 years at an interval of one plot per 6,000 acres. The project plans to use the US Forest Inventory and Analysis program data in concert with variety of remote sensing variables for regional scoping, planning, and determination of broad landowner eligibility criteria. However, to determine individual landowner's eligibility, a more targeted, personalized data collection procedure is needed.
Blue Diamond Growers	The project expands markets for climate-smart Almonds in California and supports farmers implementation and monitoring of climate-smart practices.	CA	Almonds	340 Cover Crops, 327 Conservation Cover, 422 Hedgerow Planting, 338 Soil Carbon Amendments	The project plans to have all growers quantify greenhouse g (GHG) benefits using the COMET Farmer Tool as employe California for the CDFA Healthy Soils Program. The project also plans to develop a system of monitoring, reporting, and third-party verification of climate-smart practices.
California Dairy Research Foundation	Expands markets for climate-smart dairy products in CA and supports farmer implementation and monitoring of climate-smart practices.	CA	Dairy	317 Composting Facility, 441 Irrigation Management - Micro Irrigation, 629 Waste Treatment, 832 Waste Separation Facility, 629 Waste Treatment	The project plans to have producers quantify estimated on-farm methane emissions reductions through a web-based calculator, and have universities provide in-field verification measurements of GHG and nitrogen excess reductions. Verification of practice implementation is planned to be thru producer documentation and post-project site visit.

**Dashboard:
Export data from all
the active projects in
the dashboard (or a
subset) to Microsoft
Excel.**

Sharing Information Internationally



- All Partnerships for Climate-Smart Commodities projects are required to participate in a Partnerships Network, which will bring partners together virtually or in-person on a regular basis to share learnings
- USDA will summarize and publish important information from these gatherings, as well as consolidated data from required project reporting
- Through Partnerships for Climate-Smart Commodities, USDA is delivering on the promise of positioning American agriculture as a global leader in delivering voluntary, incentives-driven, market-based climate solutions
- Project findings – including summary data – will be shared publicly to further this goal



More Information

Visit www.usda.gov/climate-smart-commodities



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