COMET QUARTERLY

COMET-Farm Newsletter



COMET QUARTERLY

By: Haley Nagle, Outreach & Education Specialist

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Carbon Farm Planning

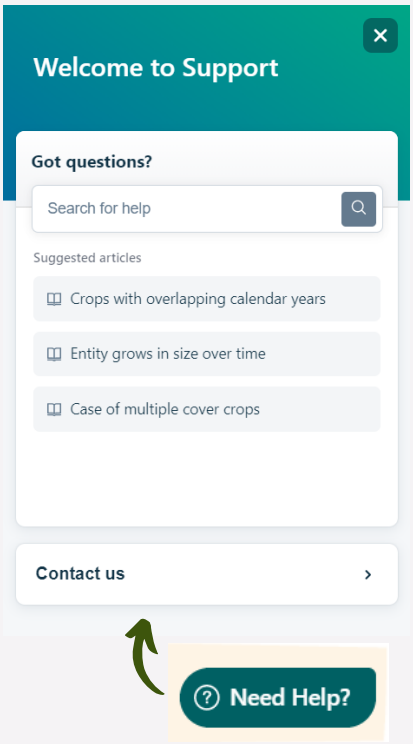
> *Carbon Farming is just farming through a carbon lens*

Carbon Farm Planning is a holistic, systems approach to on-farm conservation planning through a carbon lens. In collaboration with Carbon Cycle Institute, the COMET-Farm team developed phase one of a Carbon Farm Planning Curriculum to provide essential background, framework knowledge, and the necessary tools and materials to support writing a Carbon Farm Plan. When implemented, a Carbon Farm Plan is designed to enhance soil health and optimize carbon sequestration on working lands.

COMET-FARM UPDATES

SEPTEMBER 2020

The COMET-Farm team has worked diligently over the past few months to update the Animal Agriculture Module on COMET-Farm. These updates allow for flexible baseline year selection, report enhancements such as herd-level reporting, and similar to the Cropland Module, users will be able to download a detailed yearly emissions report for Animal Agriculture. For new tutorials or support for the updated Animal Agriculture Module, check out the new helpdesk widget in the bottom right corner of COMET-Farm.



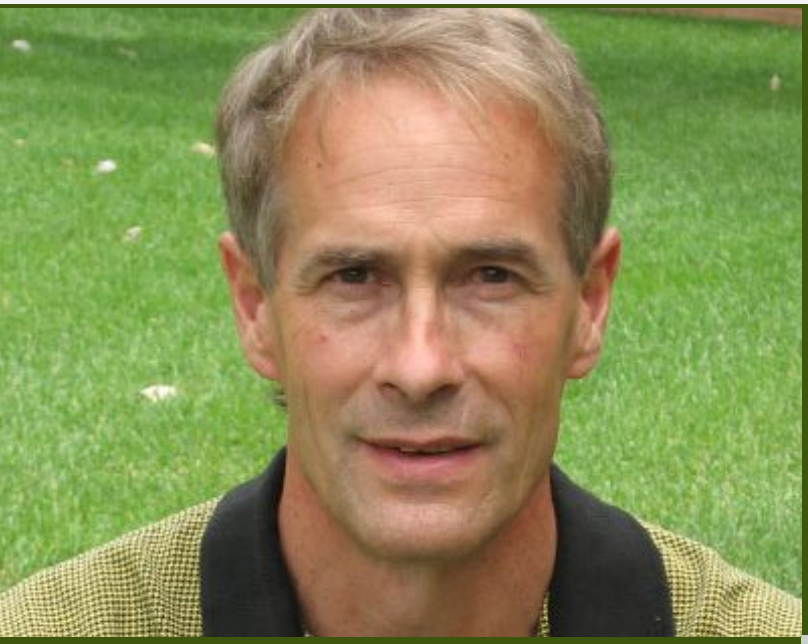


COMET-PLANNER UPDATES

AUGUST 2020

- COMET-Planner dataset is now available for download using the *Data Download Form*
- New clickable help buttons, indicated by *[info]*
- Improvements to soil nitrous oxide calculations and routine bug fixes

COMET-FARM TEAM SPOTLIGHT



Dr. Keith Paustian (Left)

As a Colorado State University Distinguished Professor in the Department of Soil Crop Sciences, Dr. Keith Paustian and team lead in the development of COMET-Farm, a web-based tool for estimating on-farm greenhouse gas (GHG) emissions and carbon sequestration. Keith was also pivotal in the development of the Carbon Benefits Project, another GHG assessment tool for sustainable land management projects in developing countries. Keith also served as Coordinating Lead Author for the IPCC 2006 National Greenhouse Gas Inventory Methods and the IPCC 2003 Good Practice Guidance for Land Use.

Crystal Toureene (Right)

With extensive knowledge of quantification methods for greenhouse gas fluxes in cropland and animal agriculture production systems, Crystal serves as an integral part of the COMET-Team with quality control, implementation of quantification methodology, and web application testing. Crystal recently completed an in-depth review of management practices known to reduce greenhouse gas emission in the livestock sector to better inform the development of future entity level quantification methodology.



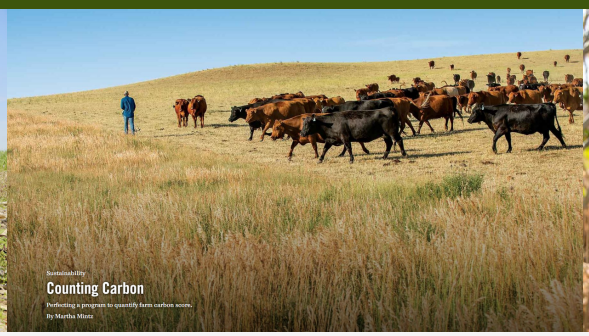
A WORD FROM COMET-USERS

Carbon Cycle Institute utilizes the COMET-Tools to quantify the greenhouse gas (GHG) benefits of implementing on-farm conservation practices within a whole farm planning context called Carbon Farm Planning. Modelled on the original Soil Conservation Service conservation planning process, Carbon Farm Planning is a comprehensive approach to optimizing carbon capture on working landscapes. Working with the farmer or rancher to identify all the opportunities for GHG reduction and carbon sequestration on their landscape, we then use the COMET-Tools to quantify those GHG reductions in metric tons of carbon dioxide equivalents over time. The Carbon Farm Planning process familiarizes the producer with the central role of the carbon cycle in agricultural production, and thus the powerful opportunity to engage agriculture as a climate change solution while helping to achieve natural resource enhancement and production goals on the farm.

“

Lynette Niebrugge
Carbon Cycle Institute







"Why Regenerative Fiber Systems Are Rooted in Relationships with Place, with A-Dae Romero-Briones"

13 minutes to spare? Listen in on NPR's Shortwave podcast as they sit down with Dr. Rattan Lal, to discuss how he laid the ground work for regenerative agriculture.

LISTEN

"Counting Carbon"

The Furrow takes another look at carbon markets with Nori and Indigo Ag leading the charge in incentivizing farmers to transition to regenerative agriculture using COMET-Tools to quantify greenhouse gas benefits.

READ MORE

"Women leading crop diversification in Zambia"

Discover how the Zambian Alliance of Woman (ZAW) has supported and educated Zambian farmers, like Nelly, to diversify crops to minimize impacts of climate change.

READ MORE

Upcoming Trainings

Check out the COMET-Farm Training Calendar for Date & Times

- **October 2020**- COMET-Tools Introduction & Cropland Demo
- **November 2020**- COMET-Farm Animal Agriculture Demo
- **December 2020**- COMET-Farm Forestry & Agroforestry Demo



Training Calendar

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