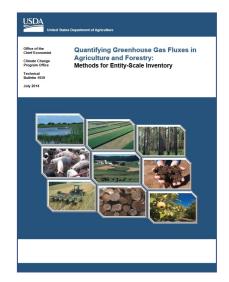
Tools for conservation planning and greenhouse gas mitigation in Agriculture and Forestry

# What are the COMET-Tools?



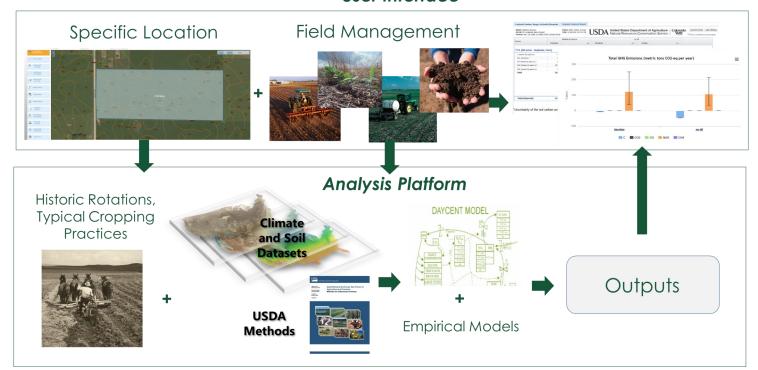
- Developed with a cooperative agreement between Colorado State University and the United States Department of Agriculture, COMET-Tools includes models and databases that implement more than 40 USDA, peer-reviewed methods and models that estimate greenhouse gas emissions within a farm or ranch.
- The tools provide carbon dioxide, methane, and nitrous oxide estimates based on management, soils, and climate.
- **COMET-Farm** provides a farm-to-field specific analysis whereas COMET-Planner provides regional average estimates tied to conservation practice adoption.



**USDA** Quantifying Greenhouse Gas Fluxed in Agriculture and Forestry: Methods for Entity-Scale Inventory

## COMET-Farm: How it works

### **User Interface**



### Accounting Activities

**COMET-Farm** allows users to estimate how conservation practices can reduce GHG emissions and sequester carbon on a farm/ranch. Reports are based on user's location and management practices for crops, livestock, and windbreak/shelterbelt management.

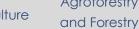


Cropland, pasture, range, orchard/vineyard



Animal Agriculture













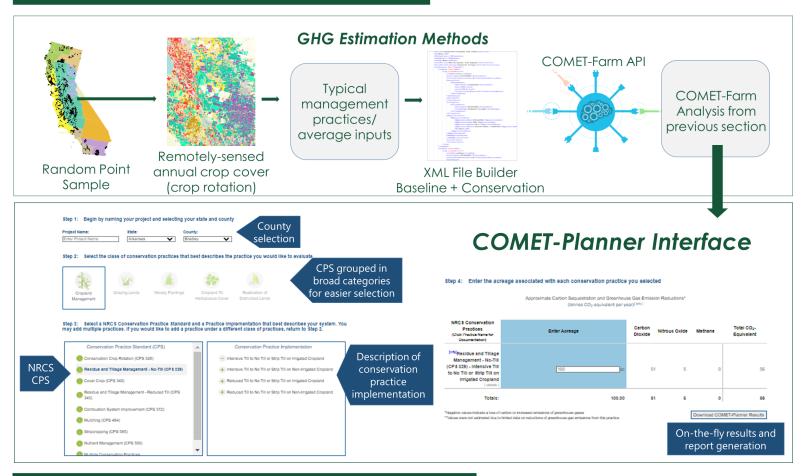




## COMET-Farm & COMET-Planner

Tools for conservation planning and greenhouse gas mitigation in Agriculture and Forestry

### COMET-Planner How it works



### Users & Outreach

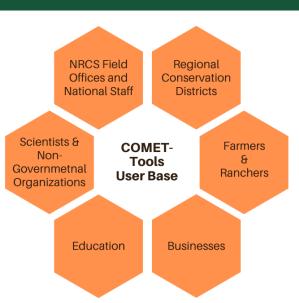
### Users as of June 2023

~6,300 Registered COMET-Farm Users

~53.000 COMET-**Planner Sessions** 

~1,200 User support, Trainings, and/or Webinars

~300 Organizations using tools





Stay up to date by subscribing to the COMET-Quarterly Newsletter through the "Need Help?" Widget.

### Contact

Contact the COMET-Team at appnrel@colostate.edu or using the "Need Help?" widget in the bottom right corner of any page on COMET. Register for free COMET-Trainings at www.comet-farm.com/helppage.











