

Calculators

COMET-VR	CarbOn Management Evaluation Tool for Voluntary Reporting of greenhouse gases
COMET-FARM	CarbOn Management Evaluation Tool for whole FARM GHG accounting
FSGGEC	Farm Systems Greenhouse Gas Emissions Calculator
DNDC calculator	US Cropland Greenhouse Gas Calculator
Fieldprint Calculator	Fieldprint Calculator
COLE calculators: GCOLE COLE COLE-lite COLE-EZ	Carbon OnLine Estimator: GCOLE: next generation COLE-lite: html-based COLE-EZ: for 1605(b) reporting
CCT	U.S. Forest Carbon Calculation Tool
FVS-CarbCalc	Stand Level Carbon Reporting Using the Forest Vegetation Simulator (FVS)
CTCC	The Center for Urban Forest Research Tree Carbon Calculator
NDFU	The North Dakota Farmers Union Carbon Credit Program Payment Calculator
COCP	Carbon Offset Credit Payment Calculator
IPCC	IPCC calculator LULUCF
FarmGAS	FarmGAS
Greenhouse in Agriculture tools Grains Greenhouse Accounting Framework V4	Greenhouse in Agriculture tools Grains Greenhouse Accounting Framework V4
Greenhouse in Agriculture tools Dairy Greenhouse Accounting Framework V4	Greenhouse in Agriculture tools Dairy Greenhouse Accounting Framework V4
Greenhouse in Agriculture tools Beef Greenhouse Accounting Framework V6	Greenhouse in Agriculture tools Beef Greenhouse Accounting Framework V6
Greenhouse in Agriculture tools Sheep Greenhouse Accounting Framework V2	Greenhouse in Agriculture tools Sheep Greenhouse Accounting Framework V2
International Wine Carbon Calculator	International Wine Carbon Calculator
Farming Enterprise GHG Calculator	Farming Enterprise GHG Calculator
Carbon Accounting for Land Managers	Carbon Accounting for Land Managers
C-PLAN	C-PLAN
HGCA Biofuel GHG Calculator	HGCA Biofuel GHG Calculator
CFF carbon calculator	Climate Friendly Food Carbon Calculator
Lincoln Farm Carbon Calculator	Lincoln Farm Carbon Calculator
OVERSEER	OVERSEER Nutrients Budget Model
Cool Farm Tool	Cool Farm Tool
HOLOS	Holos Farm Greenhouse Gas Calculator
USAID FCC	USAID FOREST CARBON CALCULATORS Agroforestry tool
USAID FCC	USAID FOREST CARBON CALCULATORS Afforestation/Reforestation tool

USAID FCC	USAID FOREST CARBON CALCULATORS Forest management tool
USAID FCC	USAID FOREST CARBON CALCULATORS Forest protection tool
RAPCOE	Reforestation Afforestation Project Carbon On-Line Estimator
CAR Livestock	Climate Action Reserve Livestock Calculation Tool Beta Version 2.2.0
MANURE	Manure and Nutrient Reduction Estimator
CQUEST Lite	Managed Forest Decision Support Tool
Carbon Footprint Calculator	Carbon Trust Carbon Footprint Calculator

Guidelines and Protocols

1605(b) - section H & I	Technical Guidelines for the Voluntary Reporting of Greenhouse Gases (1605(b)) Program Section H: Agricultural emissions and sequestration Section I: Forestry emissions and sequestration
IPCC - AFOLU	IPCC 2006 Guidelines for National Greenhouse Gas Inventories Volume 4: Agriculture, Forestry and other Land Use
VCS - AFOLU	Voluntary Carbon Standard: Guidance for Agriculture, Forestry and Land Use Projects
VCS - AFOLU ARR	Voluntary Carbon Standard: Guidance for Agriculture, Forestry and Land Use Projects Afforestation, Reforestation and Revegetation
VCS - AFOLU ALM	Voluntary Carbon Standard: Guidance for Agriculture, Forestry and Land Use Projects Agricultural Land Management
VCS - AFOLU IFM	Voluntary Carbon Standard: Guidance for Agriculture, Forestry and Land Use Projects Improved Forest Management
VCS - AFOLU REDD	Voluntary Carbon Standard: Guidance for Agriculture, Forestry and Land Use Projects Reduced Emissions from Deforestation and Degradation
VCS - VM0003	Approved VCS Methodology VM0003 "Methodology for Improved Forest Management through Extension of Rotation Age"
VCS - Biochar (under development)	VCS methodology UNDER DEVELOPMENT: General Methodology for Quantifying the Greenhouse Gas Emission Reductions from the Production and Incorporation of Soil of Biochar in Agricultural and Forest Management Systems
VCS - SALM (under development)	VCS methodology UNDER DEVELOPMENT: Adoption of Sustainable Agricultural Land Management
VCS - Afforestation/ Reforestation (under development)	VCS methodology UNDER DEVELOPMENT: Afforestation/Reforestation of Agricultural Lands
VCS - N fertilizer rate reduction (under development)	VCS methodology UNDER DEVELOPMENT: Quantifying N ₂ O Emissions Reductions in US Agricultural Crops through N Fertilizer Rate Reduction

VCS - Sustainable Grassland Management (under development)	VCS methodology UNDER DEVELOPMENT: ALM Adoption of Sustainable Grassland Management through Adjustment of Fire and Grazing
CDM - A/R	Clean Development Mechanism methodologies Methodologies for afforestation and reforestation projects Approved small scale A/R methodologies: AR-AMS0001, 0002, 0003, 0004, 0005, 0006, 0007. Approved large scale A/R methodologies: AR-AM0002, 0004, 0005, 0006, 000, 0009, 0010, 0011, 0012, AR-ACM0001, 0002.
CDM - Manure	Clean Development Mechanism methodologies - ACM0010 Manure management systems
CDM (small scale)-III.A. Nitrogen Fertilizer offset	Clean Development Mechanism methodologies III.A. Offsetting of synthetic nitrogen fertilizers by inoculant application in legumes-grass rotations on acidic soils on existing cropland
CAR - Forest	Climate Action Reserve Forest Project Protocol
CAR - Manure	Climate Action Reserve Livestock Project Protocol
CCX - Agricultural Best Management Practices	Chicago Climate Exchange Offset Project Protocol Agricultural Best Management Practices – Continuous Conservation Tillage and Conversion to Grassland Soil Carbon Sequestration
CCX - Agricultural Methane	Chicago Climate Exchange Offset Project Protocol Agricultural Methane Collection and Combustion Offset Project Protocol
CCX - Range	Chicago Climate Exchange Offset Project Protocol Agricultural Best Management Practices – Sustainably Managed Rangeland Soil Carbon Sequestration Offset Projects
CCX - Forest	Chicago Climate Exchange Offset Project Protocol Forestry Carbon Sequestration Projects
Climate Leaders - A/R	Climate Leaders Offset Project Methodology for Reforestation/Afforestation
ACR - Fertiliser	American Carbon Registry Fertiliser Management
ACR - Forest	American Carbon Registry Forest Carbon
ACR - Manure	American Carbon Registry Livestock Manure
RGGI - Manure	Regional Greenhouse Gas Initiative Manure Management
RGGI - Afforestation	Regional Greenhouse Gas Initiative Afforestation
AOS - Beef Feeding (edible Oils)	Alberta Offset System Beef Feeding Quantification Protocol
AOS - Beef Feeding (reducing days-on-feed)	Alberta Offset System Beef Days on Feed Protocol
AOS - Beef Lifecycle	Alberta Offset System

	Beef Lifecycle Quantification Protocol
AOS - Biogas	Alberta Offset System Biogas Quantification Protocol
AOS - Dairy	Alberta Offset System Dairy Cattle Quantification Protocol
AOS - Energy Efficiency	Alberta Offset System Energy Efficiency Quantification Protocol
AOS - NERP	Alberta Offset System Nitrous Oxide Emissions Reductions in Agriculture Quantification Protocol
AOS - Pork	Alberta Offset System Pork Quantification Protocol
AOS - Tillage	Alberta Offset System Tillage Quantification Protocol
USAID FCC	USAID Forest Carbon Calculators Agroforestry tool
USAID FCC	USAID Forest Carbon Calculators Afforestation/Reforestation tool
USAID FCC	USAID Forest Carbon Calculators Forest management tool
USAID FCC	USAID Forest Carbon Calculators Forest protection tool
UNDP - GEF	United Nations Development Programme Guidelines for C assessments of GEF (Global Environmental Facility) projects
Managing Energy and Carbon	Managing Energy and Carbon - Energy Audit Manual
FAO - Dairy LCA	FAO 2010 Dairy
GHG protocol - LULUCF	The Greenhouse Gas Protocol - The Land Use, Land-Use Change, and Forestry Guidance for GHG Project Accounting
Carbon Accounting Protocol for the International Wine Industry	Carbon Accounting Protocol for the International Wine Industry
Smith et al. 2006	Methods for Calculating Forest Ecosystem and Harvested Carbon with Standard Estimates for Forest Types of the United States
Millar et al., 2010	Nitrogen fertilizer management for nitrous oxide (N ₂ O) mitigation in intensive corn (Maize) production: an emissions reduction protocol for US Midwest agriculture

Models

CENTURY	CENTURY model
DAYCENT	Daily CENTURY model
DNDC	DeNitrification-DeComposition model
SOCRATES	Soil Organic Carbon Resources And Transformations in EcoSystems
CQESTR	C sequestration model
RothC	The Rothamsted Soil Carbon Turnover Model
SCUAF	Soil Changes Under Agriculture, Agroforestry and Forestry model
APEX (EPIC)	Agricultural Policy Environmental eXtender

	(EPIC: 'Erosion Productivity Impact Calculator' - later name changed into 'Environmental Policy Impact Climate')
NASA-CASA (CQUEST)	CASA: Carnegie-Ames-Stanford Approach CQUEST: Carbon Query and Evaluation Support Tool
FORCARB/FORCARB2	FORest CARBon Budget Model
FVS-CarbCalc	Stand Level Carbon Reporting Using the Forest Vegetation Simulator (FVS)
DairyGHG	Dairy Greenhouse Gas Model
IFSM	The Integrated Farm System Model
FarmGHG	FarmGHG
DairyWise	DairyWise
SIMS Dairy	Sustainable and Integrated Management Systems for Dairy Production
FarmSim	Farm Simulation
MOLLY	MOLLY model
COWPOLL	COWPOLL model
CNCPS	The Cornell Net Carbohydrate and Protein System