

	Tool Name	GHGs Covered				Sources							
		CO ₂	N ₂ O	CH ₄	Other	Cropland	Horticulture	Rangeland/ Grazing Land	Grassland	Agroforestry	Vineyards/ Orchards	Livestock	Forest
Calculators	COMET-VR	✓	✓			✓		✓	✓	✓	✓		
	COMET-FARM	✓	✓	✓		✓		✓	✓	✓	✓	✓	
	FSGGEC	✓	✓			✓							
	DNDC calculator	✓	✓	✓		✓							
	Fieldprint Calculator	✓	✓			✓							
	COLE calculators	✓ ¹										✓	
	CCT	✓ ¹										✓	
	FVS-CarbCalc	✓ ¹										✓	
	CTCC	✓											✓
	NDFU	✓				✓ ^{10, 11}		✓ ¹²					
	COCPG	✓				✓ ^{10, 11}						✓ ¹³	
	IPCC	✓ ¹				✓		✓	✓				
	FarmGAS	✓	✓	✓		✓ ¹⁴	✓	✓ ¹⁵				✓ ¹⁶	✓ ¹⁷
	Greenhouse in Agriculture tools Grains Greenhouse Accounting Framework V4	✓ ¹	✓	✓		✓							✓ ¹⁷
	Greenhouse in Agriculture tools Dairy Greenhouse Accounting Framework V4	✓ ¹	✓	✓									✓ ¹⁸
	Greenhouse in Agriculture tools Beef Greenhouse Accounting Framework V6	✓ ¹	✓	✓									✓ ¹⁹
	Greenhouse in Agriculture tools Sheep Greenhouse Accounting Framework V2	✓ ¹	✓	✓									✓ ²⁰
	International Wine Carbon Calculator	✓	✓							✓			

Farming Enterprise GHG Calculator	✓	✓	✓		✓	✓			✓	
Carbon Accounting for Land Managers	✓	✓	✓		✓	✓			✓ ²¹	
C-PLAN	✓	✓	✓		✓				✓	✓ ²²
HGCA Biofuel GHG Calculator	✓	✓	✓		✓ ²³					
CFF carbon calculator	✓	✓	✓			✓			✓	
Lincoln Farm Carbon Calculator	✓	✓	✓		✓ ²⁴	✓				
OVERSEER	✓	✓	✓		✓ ^{24, 25}	✓				
Cool Farm Tool	✓	✓	✓		✓				✓	
HOLOS	✓	✓	✓		✓ ²⁶		✓		✓	✓ ²⁷
USAID FCC Agroforestry Tool	✓							✓		
USAID FCC Afforestation/ Reforestation tool		✓								
USAID FCC Forest Management tool	✓									✓
USAID FCC Forest Protection tool	✓									✓
RAPCOE	✓									
CAR Livestock	✓		✓						✓	
MANURE		✓	✓						✓	
CQUEST Lite	✓								✓	
Carbon Footprint Calculator	✓	✓	✓	✓ ²	✓				✓	✓
Agri-LCI models	✓	✓	✓		✓ ²⁴					
1605(b) - section H & I	✓	✓	✓		✓ ^{24, 26}	✓	✓		✓	✓
IPCC - AFOLU	✓	✓	✓		✓		✓			✓
VCS - AFOLU	✓	✓	✓		✓					✓
VCS - AFOLU: ARR	✓	✓	✓							✓
VCS - AFOLU: ALM	✓	✓	✓		✓					
VCS - AFOLU: IFM	✓	✓	✓							✓
VCS - AFOLU: REDD	✓	✓	✓							✓
VCS - VM0003	✓ ³		✓							✓
VCS - Biochar (under development)	✓	✓	✓		✓		✓			✓
VCS - SALM (under development)	✓	✓	✓		✓					
VCS - Afforestation/ Reforestation (under development)		✓ ⁴								
VCS - N fertilizer rate reduction (under development)			✓		✓					

Guidelines and Protocols						Sustainable Development Goals
	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	
VCS - Sustainable Grassland Management (under development)	✓	✓	✓			✓
CDM - A/R	✓ ³					
CDM - Manure	✓	✓	✓			✓
CDM (small scale)-III.A. Nitrogen Fertilizer offset	✓	✓	✓		✓	
CAR - Forest	✓					
CAR - Manure	✓		✓			✓
CCX - Agricultural Best Management Practices	✓				✓	
CCX - Agricultural Methane	✓		✓			✓
CCX - Range	✓				✓	
CCX - Forest	✓					✓
Climate Leaders - A/R	✓ ⁴					
ACR - Fertilizer	✓	✓	✓		✓	
ACR - Forest	✓			✓		
ACR - Manure	✓	✓	✓			✓
RGGI - Manure	✓		✓			✓
RGGI - Afforestation	✓ ⁴					
AOS - Beef Feeding (edible Oils)			✓			✓
AOS - Beef Feeding (reducing days-on-feed)		✓	✓			✓
AOS - Beef Lifecycle		✓	✓			✓
AOS - Biogas	✓	✓	✓			✓
AOS - Dairy	✓	✓	✓			✓
AOS - Energy Efficiency	✓	✓	✓			
AOS - NERP	✓	✓	✓		✓	
AOS - Pork		✓	✓			✓
AOS - Tillage	✓	✓	✓		✓	
USAID FCC	✓					✓
USAID FCC	✓					
USAID FCC	✓					✓
USAID FCC	✓					✓
UNDP - GEF	✓ ³	✓	✓		✓	✓
Managing Energy and Carbon	✓					
FAO - Dairy LCA	✓	✓	✓	✓ ⁹	✓	✓
GHG protocol - LULUCF	✓	✓ ⁵				✓

Carbon Accounting Protocol for the International Wine Industry	✓	✓							✓
Smith et al. 2006	✓ ³								✓
Millar et al., 2010		✓		✓					
Models									
CENTURY	✓ ⁷			✓		✓			✓
DAYCENT	✓ ⁷	✓	✓ ⁶	✓		✓			✓
DNDC	✓ ⁷			✓	✓	✓			✓
Manure-DNDC	✓	✓	✓						✓
SOCRATES	✓ ⁸			✓ ²⁴		✓			✓
CQUESTR	✓ ⁸			✓					
RothC	✓			✓		✓			✓
SCUAF	✓ ⁸					✓			
APEX (EPIC)	✓	✓		✓					
NASA-CASA (CQUEST)	✓	✓	✓	✓		✓			✓
FORCARB/FORCARB2	✓								✓
FVS-CarbCalc	✓ ⁸								✓
DairyGHG	✓	✓	✓	✓	✓	✓			✓
DairyGEM	✓	✓	✓	✓	✓	✓			✓
IFSM	✓	✓	✓	✓	✓	✓			✓
FarmGHG	✓	✓	✓						✓
DairyWise	✓	✓	✓			✓			✓
SIMS Dairy		✓	✓						✓
FarmSim	✓	✓	✓	✓		✓			✓
MOLLY			✓						✓
COWPOLL			✓						✓
CNCPS			✓						✓





