agriprove

AgriProve Project Proposal

Purpose

This document serves to engage AgriProve to complete Project Services required prior to any commercial agreement or project registration. The information collected in this document includes:

- Property details (Land title information, address, hectares).
- Landowner and operator details (These can be the same entity. The operator being the entity with the rights to operate the Project Properties and who will be issued any credits).
- Project proponent details (This is the entity recognised by the Clean Energy Regulator under the CFI Act as having responsibility for the Carbon Projects. This is AgriProve Holdings Pty Ltd or a nominated wholly owned subsidiary for all AgriProve Projects).
- The eligible activities to be undertaken as part of the project.
- 5-year baseline management history, required to register the project and to assess the selected eligible activities for newness or material difference, and will assist with baseline farm emissions calculations.
- Management philosophy, experience, skills, expertise and plans going forward.

Scope of work

Scope of Work

After completion of this document AgriProve will put together our AgriProve agreement that includes:

- Soil sampling maps. This consultative project design includes land title verifications, project area confirmation, project splits (if necessary), project Carbon Estimation Area designs, project stratification.
- Baseline condition report using satellite monitoring and analysis
- Final baseline sampling quote
- Key Commercial Terms
- Carbon Project Plan

Farm and contact details

Please provide the details of your farm

Name of Farm				
Farm location	Address:		State:	Postcode:
Property hectares	Grazing:	Cropping:	Other:	Total:
Landowner name(s) :				
Operator names(s):				
Email address:				
Phone number:				
Soil carbon project name :				

1All registered owners on the Land Titles listed for inclusion in your soil carbon project

2 Please note carbon project names are publicly available. AgriProve reserves the right to rename the project

Farm history and management

Please provide an overview on your farm and how it has been managed to date.

Please provide a brief history of your farm	The farm has been in my family for 3 generations. We purchased the farm in 1914 as a cropping operation and have been slowly turning towards mixed use farming…
Please provide a brief description of your background, any relevant accreditations, skills and experience and any ongoing training that assist in managing the land:	I have 20+ years of experience managing our family farm with a focus on sustainable agriculture. I hold a Certificate IV in Agriculture and have completed training with Carbon Farmers of Australia. We've received awards for breeding Merino sheep and achieved top wool sales for three consecutive years. Our farm uses rotational grazing and soil management systems. We've participated in trials with BCG and received grants for land regeneration. I also receive ongoing training and support through Carbon Builders to improve carbon farming practices.
Do you use any farm management software or digital tools? Or do you have any plans to implement any additional solutions to assist with record keeping?	Currently using AgriWebb and AgWorld, CIBO and FarmLabs
Do you use any predictive modelling to assist in management decisions?	Currently using climactic forecasting and AgriWebb to complete feed forecasting.
Do you currently have a detailed farm map including paddock mapping?	I have mapped my complete farm including paddocks in AgriWebb.

Baseline Activities 1/2

Please outline how each activity has been managed during the past baseline period of 5 years

Applying synthetic or non-synthetic fertilisers to fix any nutrient shortage	What nutrient(s) are you currently addressing, and what product or range of products are you using to target this? If no specific nutrient is identified, what purpose do these products serve? Are you applying the fertiliser across the entire project area, and at what rate (total tonnes, tonnes/Ha, or L/Ha)? Lastly, is this a standard practice from your baseline period, and how frequently has it been applied?
Applying lime or other treatments to help balance the pH and fix acid soils.	What is your current liming practice, and what product or range of liming products are you using? Are you applying the lime across the entire project area, and at what rate (total tonnes, tonnes/Ha, or L/Ha)? Is this part of your usual practice from the baseline period, and how frequently has it been applied? Additionally, have you been monitoring soil pH as a result of lime application, and do you have pH readings or data showing how it has changed over time?
Applying gypsum to fix soils with too much sodium or magnesium.	What is your current practice for applying gypsum, and what product or range of gypsum products are you using? Are you applying the gypsum across the entire project area, and at what rate (total tonnes, tonnes/Ha, or L/Ha)? Is this part of your standard practice from the baseline period, and how frequently has it been applied? Additionally, have you been monitoring soil salinity as a result of gypsum application, and do you have salinity readings or data showing how it has changed over time?
Leaving crop stubble in the field after harvest to protect the soil and keep nutrients in place.	What is your current practice for stubble retention, and how frequently is stubble burned or otherwise managed? Have you been using any chemicals instead of burning, or applied biological products to enhance stubble breakdown and improve soil health? How often are these practices implemented, and is stubble management part of your standard operating procedures during the baseline period? Have you been monitoring stubble and soil health post-harvest, and has this monitoring influenced your management approach?
Switching to minimum-till or no-till methods to improve soil health and structure.	What is your current tillage practice, and how frequently is it conducted (annually, multiple times per crop, etc.)? Are there additional methods you use for soil preparation? Is this tillage approach part of your standard practices throughout the baseline period?

Baseline Activities 2/2

Please outline how each activity has been managed during the past baseline period of 5 years

Changing land features, like reshaping parts of your farm to improve drainage or soil health.	What specific land features have you reshaped or modified to enhance drainage or soil health, and what techniques have you employed for these changes (e.g., contouring, leveling, or terracing)? Have these modifications been applied to the entire project area or specific sections of your farm? How frequently do you assess the effectiveness of these changes in improving drainage and soil health, and is this reshaping practice part of your standard management approach or a new strategy?
Planting cover crops to keep the soil covered and in good condition during off-seasons or between cash crops.	What is your current practice for planting cover crops during off-seasons, including the species and mix used? Are these cover crops applied to the entire project area, and what is the application rate (total seeds, seeds/Ha)? Additionally, have you been monitoring soil health or vegetation cover as a result of planting cover crops, and what improvements have you observed?
Setting up and maintaining new pastures where you didn't have any before, like on cropland or fallow land.	What is your current practice for establishing new pastures on previously non-pasture areas, such as cropland or fallow land? What specific grass or legume species are you planting, and what is the composition of your mix (include species and percentages)? Are you implementing these new pastures across the entire project area or focusing on specific sections?
Using legume species in cropping or pasture systems	What legume species are you currently planting in your cropping or pasture systems, and what is the specific composition of the mix (include species and percentages)? Are these legumes being planted across the entire project area or limited to certain sections?
Improved pastures by reseeding or combining crops with pasture to boost growth.	What is your current practice for pasture rejuvenation, and what pasture/grass mix are you using when seeding? What is the composition of the mix (species and percentages), and are you applying it across the entire project area? What is the application rate (total tonnes, tonnes/Ha, or L/Ha), and how frequently is the pasture rejuvenated? Is this a standard practice from the baseline period? Additionally, have you been monitoring groundcover, seed strike, and plant health, and do you have data showing current levels and how they have progressed over time?
Adjusting your grazing - changing how many animals, how long they graze, or how intensely they graze to help keep the ground covered and boost soil health.	What is your current and historical stocking rate (DSE/LSU/AE per hectare/acre), and what has been the duration of your grazing period (days)? What is the rest or recovery period, if applicable? Do you adjust your grazing approach between growing and non-growing seasons? Additionally, do you use any tools, such as biomass metrics, to assess pasture and assist in your grazing management?

Soil Carbon Project

Please outline how each activity has been managed during the past baseline period of 5 years

Please provide a summary of your soil carbon project philosophy and goals:	Example: Our approach to the carbon project will focus on enhancing soil health and creating optimal conditions for soil carbon sequestration. This involves specifically targeting the remediation of acidic soils and improving cation exchange capacity. The goal will be to improve soil structure, health, and biology, which supports increased soil carbon levels. By engaging in a long-term soil carbon project, we can continually monitor and receive feedback on our land management practices, providing insights that would otherwise not be possible.

Eligible activities - New/ Materially different

Please select 1-2 baseline activities do you intend to either implement or change in order to increase increase the amount of soil carbon on your farm

Activity 1

Please select from one of the eligible baseline activities to implement:	Adjusting your grazing - changing how many animals, how long they graze, or how intensely they graze to help keep the ground covered and boost soil health.	
Are you implementing a NEW activity or changing an activity where you can demonstrate material difference?	New	
	Materially different	What is the new product, species mix, method, application rate or change to your process or target?

Activity 2

Please select from one of the eligible baseline activities to implement:	Applying lime or other treatments to help balance the pH and fix acid soils.	
Are you implementing a NEW activity or changing an activity where you can demonstrate material difference?	New	
	Materially different	What is the new product, species mix, method, application rate or change to your process or target?

Ineligible and restricted activities

Under the ACCU Scheme certain activities will make areas of land ineligible for a soil carbon project. Complete the below to identify ineligible areas on your property. If yes, please provide any detail and numb

Are you aware of any land clearing occurring in the past 7 years (if there has been no change in title ownership)?	No	Yes:	Land title:
Is there any evidence that suggests land clearing in the past 5 years (if there has been change in title ownership)?	No	Yes:	Land title:
Are you aware of any wetlands being drained in the past 7 years (if there has been no change in title ownership)?	No	Yes:	Land title:
Is there any evidence that suggests a wetland has been drained in the past 5 years (if there has been change in title ownership)?	No	Yes:	Land title:
Has the land been de-stocked for 2 consecutive years at any time during the past 5 years for non-approved purpose ?	No	Yes:	Land title:
Is there any evidence that suggests treed areas have been thinned for non-approved purposes ?	No	Yes:	Land title:
Are you aware of any land management activities in the last 5 years that involve the addition or redistribution of soil?	No	Yes:	Land title:
Do you have any plans to change land use through construction, building or irrigation?	No	Yes:	Land title:

Land titles

The farm is located on the following land titles:*

State/ Territory	Lot Number	Plan Number	Other (Reference number, volume, folio & edition)

Land Management Strategy

A registration requirement for projects under the ACCU scheme 2021 Soil Carbon Method is a Land Management Strategy. AgriProve's Land Management Strategy is called the Digital Agricultural Management for Carbon Sequestration - AgriProve Universal Land Management Strategy - 2021 Soil Carbon Method.

Using this Land management Strategy, one or more Eligible Activities are selected by the landholder as a new or materially different Land Management Strategy to increase plant function as measured by chlorophyll concentration. Increasing plant function at scale across the production system is likely to increase the net carbon sequestration potential for the project.

Please ensure that you are comfortable that the above eligible activities will result in an increasing trend in chlorophyll concentration relative to the baseline condition.

AgriProve will use Normalised Difference Red Edge (NDRE) as a quantitative measure of historical and project-based plant function. NDRE is highly sensitive to changes in chlorophyll concentration and provides a highly responsive and best-in-class data point(set) to monitor and verify changes in property management and the implementation of eligible activities, as well as inform AgriProves resampling schedule.

The Land Management Strategy comprises:

- Description of historical and ongoing property management activities
- Baseline Condition Report (BCR) that identifies the average, cumulative, median and standard deviation of seasonal chlorophyll concentration with Sentinel-2 NDRE data over the past five years

AgriProve Project Proposal

Please complete the property management overview tables below. This information is required for project registration and provides a basic record for management activities and intensity for the newness or material difference of selected eligible activities to be compared against, as well as high level information for future emission calculations.

FARM MANAGEMENT HISTORY

YEAR	Application of Nutrients and/or Microbial Stimulants					Application of Minerals						Landscape Modification	
	Synthetic	Non Synthetic	Product Description	Hectares Applied	kg or ml/ha	Ha Lime Applied	kg/ha	Ha Gypsum Applied	kg/ha	Ha Other Applied (specify)	kg or ml/ha	Activity	ha/meters /%
Example 1	Y		DAP	155	250kg	100	1200					Deep ripping	155ha
Example 2		Y	Rhizovator OB Omnia	200	20ml			200	2500	Dolerite 100ha	1000kg	Laser levelling	100%
2019													
2020													
2021													
2022													
2023													
2024													

AgriProve Project Proposal

Please complete the property management overview tables below. This information is required for project registration and provides a basic record for management activities and intensity for the newness or material difference of selected eligible activities to be compared against, as well as high level information for future emission calculations.

FARM MANAGEMENT HISTORY

YEAR	Application of Nutrients and/or Microbial Stimulants					Application of Minerals						Landscape Modification	
	Synthetic	Non Synthetic	Product Description	Hectares Applied	kg or ml/ha	Ha Lime Applied	kg/ha	Ha Gypsum Applied	kg/ha	Ha Other Applied (specify)	kg or ml/ha	Activity	ha/meters /%
Example 1	Y		DAP	155	250kg	100	1200					Deep ripping	155ha
Example 2		Y	Rhizovator OB Omnia	200	20ml			200	2500	Dolerite 100ha	1000kg	Laser levelling	100%
2019													
2020													
2021													
2022													
2023													
2024													

BROADACRE CROPPING SYSTEMS - MANAGEMENT HISTORY

YEAR	Crop History					Break Cycle Management		Erosion Management	
	%/ha of Property	Winter Crop	Yield t/ha	Summer Crop	Yield t/ha	Cover Crop (species/blend)	Stubble Management Activity	Tillage Passes	Tillage Pass Descriptions
Example 1	155ha	Wheat	5	Sorghum	3			6	Disc plough, offset disc, harrows, cultivation, tyne sown wheat + tyne sown sorghum
Example 2	200ha	Canola	3.5			Tillage radish	Yes, radish sow in with tillage (discs)	1	See Stubble management
2019									
2020									
2021									
2022									
2023									
2024									

HORTICULTURE CROPPING SYSTEMS - MANAGEMENT HISTORY (ALSO APPLIES TO ANNUAL HORTICULTURE)

YEAR	Crop History			Inter-Row Management				Erosion Management	
	%/ha of Property	Species	Yield t/ha	Perennial/Multispecies Pasture (species/blend)	Cover Crop Management Activity	Mulch t/ha	Bare Earth %/ha	Tillage Passes	Tillage Pass Descriptions
Example 1	50ha	Almond	3.5			90	50%	1	Scarifying
Example 2	150ha	Macadamia	3.2	Rhodes grass, tillage radish, millet, captain plantain, chichory, strawberry & white clover	Slashing	80	0%		
2019									
2020									
2021									
2022									
2023									
2024									

GRAZING MANAGEMENT HISTORY

YEAR	Herd History				Pasture History			
	%/ha of Property	Cattle Herd Composition and Number	Sheep Flock Composition and Number	Other (specific) Herd Composition and Number	ha/% Pasture Unimproved	ha (or %) Improved Pasture, Including Type	Tillage Passes	Tillage Pass Descriptions
Example 1	700ha	50 Cows, 45 Calves 70 Weaner/backgrounders 2 Bulls	100 Ewes, 95 Lambs 8 Rams		400ha	300ha multi species - white clover, red clover, chicory, carpet grass, rhodes grass, millet		Scarifying
2019								
2020								
2021								
2022								
2023								
2024								

Definitions

As per the Carbon Credits Act 2011 and Methodology Determination 2021, in this document:

Synthetic fertiliser means any synthetic substance that:
(a) is used to supply nutrients to plants and soils to enhance plant growth and the fertility of soils; and
(b) where relevant—must be applied to the surface of, or incorporated into, agricultural soils in accordance with the laws of the relevant State, Territory or local government; and
(c) does not include biochar; and
(d) does not contain more than 5% organic matter by weight.

Non-synthetic fertiliser means any biologically-derived solid or liquid substance that:
(a) where relevant—must be applied in accordance with the laws and regulations of the relevant State, Territory or local government; and
(b) is used to do at least one of the following:
(i) supply nutrients to plants and soils;
(ii) enhance plant growth and soil fertility;
(iii) add or stimulate microbial or other life in soils; and
(c) contains more than 5% organic content by weight; and
(d) does not include:
(i) non-biodegradable substances, such as plastics, rubber or coatings; or
(ii) biochar.

Restricted non-synthetic fertiliser means a non-synthetic fertiliser that includes more than 5% organic matter by weight that does not satisfy one of the following:
(a) the organic matter previously formed part of a designated waste-stream;
(b) the organic matter is sourced from within a CEA that is part of the project.
Note: State, Territory or local government laws and/or regulations may apply to the use of restricted non-synthetic fertilisers.

A soil landscape modification activity means:
(a) modifying landscape or landform features to remediate land;
Note: This may include, but is not limited to, practices implemented for erosion control, surface water management, drainage/flood control, or alleviating soil compaction. Practices may include controlled traffic farming, deep ripping, water ponding or other means.
(b) using mechanical means to add or redistribute soil through the soil profile;
Note: This may include, but is not limited to, clay delving, clay spreading or inversion tillage.

Bare fallow, in relation to land, means land that is not seeded and has less than 40% ground cover for 3 months or longer.

Project proponent, in relation to an offsets project, means the person who:
(a) is responsible for carrying out the project; and
(b) has the legal right to carry out the project.

Definitions for the purpose of an AgriProve managed Soil Carbon Project include:

Operator means the person or entity with the rights to operate the Project Properties and is identified as the “Operator” under the Carbon Project Licence and Sales Agreement.