



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



LANDCARE PROJECT PLAN FRAMEWORK 2013/2014

NAME OF THE PROJECT:
CONSERVATION AGRICULTURE

Tick where applicable

CONTINUING PROJECT	NEW
X	

Prepared by:

FJ STEYN

1 Project Identification

Enter all of the information that identifies the specific project dealt with by this plan.

Comment: project location must provide accurate figures for capturing on GIS

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Project number

(For office use only)

Project Name	CONSERVATION AGRICULTURE (CA)
Province	Western Cape
Magisterial district	ENTIRE PROVINCE STARTING IN THE WEST COAST DISTRICT
Name of community	ALL FARMERS WESTERN CAPE
Name of LandCare Group	CONSERVATION AGRICULTURE FORUM
Project Start Date	2014/04/01
Project End Date	2015/03/31
Responsible Department, Directorate and section (Lead Institution)	Dept. Agriculture: Western Cape Sustainable Resource Management : LandCare
Contact person for this project	FJ STEYN
Contact details for project contact person:	082 907 2813
Partner Institutions	Cape Nature, Agricultural Unions, Casidra, University of Stellenbosch, Landbou Weekblad, Chemical representatives and Agricultural businesses
Project location	Latitude: 33° 46'
	Longitude: 18° 45'
Area and or distance covered by activities of this project in hectares, kilometres or number of people (land users)	Area +/- 5000 ha Number of people (land users): 500 land users

2 Executive Summary

2.1 Project Summary

This Conservation Agriculture project is Sustainable Resource Management (SRM) in practice. This project addresses the following important aspects of SRM:

- Build's soil ability to produce quality food
- Protects soil from erosion
- Reduce the risks associated with climate change for example droughts and floods

This project will comprise of the following elements:

- Form an organisational structure representing Western Cape
- Conduct awareness to 500 farmers
- Conduct farmer's tours to train farmers and share information
- Conduct one symposium to educate and train farmers and extension personnel.
- Support research based on CA practices.

This project is vital to implement SRM in the province.

2.2 Budget Summary

BUDGET SUMMARY (Complete the budget summary after completing question)	COMMUNITY GROUP & LOCAL CONTRIBUTIONS	PROVINCE & OTHER CONTRIBUTIONS	NLP CONTRIBUTIONS	TOTAL PROJECT COSTS
Totals for 2013/2014	R 60 000	R 150 000	R 360 000	R 570 000
Totals for 2014/2015	R 70 000	R 150 000	R 570 000	R 620 000
Totals for 2015/2016	R 70 000	R 150 000	R 628 000	R 848 000
TOTAL (for project life cycle)	R 200 000	R 450 000	R 1 558 000	R 2 038 000

3 Project Need

3.1 Project need

Southern Africa is home to some of the most food insecure communities in the world. Agricultural productivity in the region remains low, with average staple food crop yields lagging behind global levels. The use of often inappropriate land management practices has led to soil degradation and desertification. This, together with underlying poverty and high prevalence of HIV/AIDS and malaria, prevent households from achieving the desired sustainable production intensification and market integration. Droughts and/or prolonged dry spells often worsen the situation resulting in severe crop damage or complete crop failures. In a region where the majority of livelihoods are anchored on agriculture related sectors, it is clear that urgent measures must be taken to boost productivity in a sustainable manner, increase incomes and mitigate the negative impacts of climate change and variability.

3.2 Related Projects

Due to the multidisciplinary nature of this project many similar parts of the project are being implemented, but no or little co-ordination between these projects is done. Therefore this project will encompass and co-ordinate between all similar projects.

4 Project Aim

To propagate Conservation Agriculture by one of the following means:

- Training of Extension officers
- Conservation Agriculture research
- Training of farmers
- Conservation Agriculture included in the curriculum of tertiary institutions
- Farmer's days and awareness events
- Development of electronic media and information system
- Conservation research

Project aim

Project aim or purpose:	Output indicators to measure if the project have achieved its aim/s (Social, environmental and economical)
Social	Capacity building
Environmental	Protection of natural resources
Economical	Increase production and quality as well as mitigate the risks associated with droughts and floods

4.1 Project objectives

The project objectives could be summarised in the following 4 opportunities created by the project.

Yield increase: This has been highlighted as the most important benefit of CA, especially among smallholder systems. This is understandable because productivity is very low in the smallholder systems and smallholder farmers see increased yield as the most important reason for adopting improved technologies. The increased yields are realised because CA enables farmers to undertake key operations on time, and allows the precise and efficient use of soil amendments. These increased yields should be converted to increased cash income by linking farmers to produce market.

- Increase resilience to drought-induced moisture stress: Research results presented during the symposium showed CA enabled crops to cope with mid-season drought that are prevalent in the region. The resilience is a result of the ability of CA systems to harvest rain water and conserve soil moisture compared to conventional systems. Data showed that the use of CA could make a difference between harvest or no harvest, especially in the semi-arid areas.
- Soil erosion control: This is a benefit that has been highlighted in the promotion of CA among stakeholders. The reduced soil loss is a result of the use of minimum soil disturbance techniques, cover crops and mulching.
- Carbon sequestration: This is a long term benefit of CA. There is however inadequate scientific data to quantify the carbon sequestered agro-ecological zones.

4.2 Indicators of Success

Project objectives	Indicators	Baseline	Target
Increase yields Increase resilience to droughts and floods Soil protection	Organisation	No organisation	1 Provincial Organisation
	Website	None	Established website
	Farmer's tours	None	6 Farmers tours per year
	Conservation symposiums	None	1 Symposium per year
	Training	Fragmented and unorganised	Set structure and organise training
	Research	Support	Focus research on CA

4.3 Beneficiaries

	This three columns should be a percentage of the total e.g. if the total number of labourers from community is 100 and 65 of them are women, 2 disabled, complete the table as follows				
Beneficiaries	Total	Youth	Women	Disabled	
Land users	500	50%	10%	1%	
Farm workers	200	50%	10%	1%	
TOTAL FOR PROJECT	700	50%	10%	1%	

5 Implementation Strategy

- Form CA group
- Let the group dictate the priorities namely: Training, awareness, information accumulation and so forth
- Formulate and design project
- Implement components of project
- On-going evaluation of projects

6 Work Breakdown Structure

1. Forming organisation with constitution
2. Awareness Education
3. Website
4. Training of farm workers
5. Research

7 Statement of Work

Objective	Activity and sub-activities	Start date for activity (Indicate also the quarter)	End date for activity (Indicate also the quarter)	Inputs required for activity	Outputs to be achieved / deliverables	Activity cost (R)	Other resources required
Forming organisation with constitution	Meetings and research	1 st Quarter	4 th Quarter	Time of all participants	Organised forum	20 000	Participation of other sectors
Awareness Education	Farmer's days,	1 st Quarter	4 th Quarter	Venues, speakers,	Informed farmers and	450 000	Begin partne

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	Provincial LandCare Conference, tours and symposium			logistics, transport and personnel	extension officials		rship for roll-out of project
Website	Establishment of a website and the population thereof with scientific papers and other information	2 nd Quarter	4 th Quarter	Procurement of contractor to implement	Resourceful website	50 000	DoA staff to maintain website
Training of farm workers	Training	2 nd Quarter	4 th Quarter	Appointment of training official and logistics	Farm workers with improved skills	50 000	Supported by EPWP
Research	Research			Purchase of training components	Trails planted Monitored Harvested Data captured and communicated	58 000	Equitable share will provide other resources

8 Milestone Schedule

From the Statement of work, establish a detailed schedule that indicates when each activity must be performed so as to achieve the overall result of the project within the required timeframe.

This could be grouped into project phases.

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Year	Quarter	Project phase	Milestone description
2015/16	1: April-June	Planning	Planning
2015/16	2: July- Sept	Implementing	Awareness and capacity building
2015/16	3: Oct-Dec	Implementing	Training and development
2015/16	4: Jan-Mar	Evaluating	Redesigning for next year

9 Cost Breakdown Structure

9.1 Summarise project cost and funding requirements

(From details provided at Question 7). Complete a similar table for each financial year if the project is a multi-year project.

	A	B	C	D(A+B+C)
COST ITEM	Community group and local contributions for 2013/2014	Provincial government and other secured government contributions for 2013/2014	Funding sought from National LandCare Programme	Total item cost
Venues, transport, consultants and logistics	10 000	10 000	450 000	470 000
Formation and maintenance of organisation	40 000	50 000	20 000	110 000
Website development and information	20 000	30 000	50 000	100 000
Consultants for training		30 000	50 000	80 000
Research			58 000	58 000
<i>Employment costs sub-total</i>			628 000	R 818 000

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OPERATING COSTS				
LABOUR				
MONITORING COST		10 000		10 000
EVALUATION COST		5 000		5 000
REPORTING COST		2 500		2 500
GOVERNANCE		10 000		10 000
TRAVEL		2 500		2 500
<i>Operating costs sub-total</i>				30 000
TOTAL	70 000	150 000	R 628 000	R 848 000

9.2 Cash Flow Projection

Procurement according to system and cash flow as shown:

Activities	Quarter1 10%	Quarter2 30%	Quarter3 30%	Quarter4 30%	Total 100%
Projections (NPL Funds)	62 800	188 400	188 400	188 400	628 000

9.3 Governance

Officials	Role and Responsibilities
Francis Steyn	Deputy Director: LandCare, Budget

The project leader will do regular site inspections with regards to the project and he will then report directly to the Conservation Agriculture Committee.

9.4 Project Organisational Structure

Department of Agriculture- Conservation Agriculture Committee- Project leaders

9.5 Resources

Transport, equipment, herbicides, office space, stationery
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9.6 External Interfaces

Partnerships

9.7 External Dependencies

1. Availability of companies/contractors
2. Partnership buy-in

9.8 Project Evaluation and Monitoring

- Monitoring will be done by project leader
- Evaluation will take place after the projects have been implemented.

9.9 Reporting

- Reporting on all activities that are up and running will take place continuously through the financial year.
- Reports on labour, training and expenditure will be generated by the Project Leader.
- Reports on people successfully attended training courses will also be recorded.

10 Assumptions and Risks

10.1 Assumptions

The project is community/partnership driven and the landowners will take full responsibility for the implementation thereof.

10.2 Type of Risks and its budgets

1. No buy-in of farmer/partners
2. Delays because of absence of rain
3. Disasters taking place

10.3 Abatement Strategies

1. Pre buy-in of farmers and partners
2. Delays in project

11 Human Resource Strategy

All human resources have been committed prior to project implementation.

12 Communication Strategy

- Workshops, tours, e-mails and telephone will be main communication means.
- The strategy is centred around the control of the Conservation Committee meetings and website.

13 Project Plan Approval

13.1 Executive members of LandCare Group

Application must be signed by two executive group members. (Chair, Secretary, Treasurer)

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If the project is a partnership project between a government department and a community group, one representative from each organisation needs to sign the declaration.

I declare that the information given on this form is complete and correct and that the Group is supportive of this project.

I understand that the information on this application form, excluding contact details, may be released for public information purposes.

Signatures of representatives		
Printed names of representatives		
Position		
	Date / /	Date Phone

13.2 Traditional / Government / Landowners declaration

I am willing to have the activities described in this application carried out on land that I control and this does not conflict with proposed land management practices or degrade environmental or cultural values.

Signatures of representatives		
Printed names of representatives	DR JOHANN STRAUSS	
Position	SECRETARY OF CA	
	Date 11/09/2013 Phone 082 907 3109	Date / / Phone

13.3 Senior Manager: Department of Agriculture

I declare that the implementation of this project is part of my performance agreement

Signatures of Senior Manager		STAMP
Printed names of Senior Manager		
Date		

13.4 Provincial Government declarations

I hereby declare that we will register this project in the Integrated Development Plan (IDP) of the Local Municipality and is part of Local Economic Development (LED) Framework.

Signatures of Director SRM		STAMP
Printed name(s) of the Director SRM	MR A Roux	
	DIRECTOR: SRM	
	Date 11 / 09 / 2013 Phone: 021-8085010	

13.5 Recommendations by the Provincial Assessment Panel

This project has been assessed at Provincial Level and is hereby recommended for National Assessment and Funding

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Signatures of the Chairperson	
Printed name(s)	MR FRANCIS STEYN
	CHAIRMAN: PROVINCIAL ASSESSMENT PANEL
	Date: 11/09/2013 Phone: 082 907 2813

14 ANNEXURES (Maps, designs and plans ect)