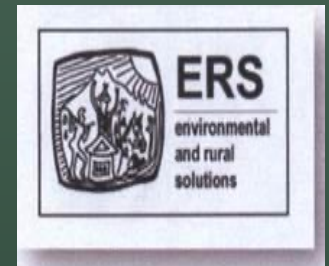


Climate Resilient Agriculture: To double production for local markets

April 2021



mahlathini
development foundation



Project Description

CRITERIA (140 participants)

- EC: 5-8 Villages per year x 2
 - Linked to spring protection
 - Linked to village savings and loan associations
 - Linked to resource conservation efforts
- KZN: 4-6 Villages per year x 2
 - CRA learning group members already implementing CA, intensive homestead food production and livestock integration
 - Intention is to “double” production and support and set up localised marketing options
- Learning group of ACTIVE farmers
 - Women headed households
 - Unemployed
 - Loss of jobs and income
 - No grants/ pension
 - Must have some access to water and labour

ACTIVITIES

- Climate change analysis and choice of CRA practices
- Learning sessions in CRA practices
- Farmer level experimentation with a basket of options in
 - Intensive gardening – tunnels plus
 - Field cropping – conservation agriculture and livestock integration
 - Small livestock – broilers, layers, traditional poultry
- Marketing options and ideas to try out

In Progress

ACTIVITIES

- Marketing
 - Ozwathini: Marketing w/s March 2021; inclusion of youth in logistics and sales
 - Bergville – Emmaus: Local marketing stall at pension payouts
 - Ngongonini: Local marketing stall - permanent
 - Phakama markets with PMB Municipality and development agency
- Conservation agriculture
 - Bean yields
 - Measurements and sampling: Mycotoxins (w ARC, water productivity, bulk density, weather station (EFTEON)
- Poultry
 - Finalisation of orders for volunteers
 - Availability of poultry an issue (Avian flu, supply)

ACTIVITIES

- Gardening and tunnels
 - First tunnel order delivery (30)
 - Tunnel construction training for all staff
 - 3 day gardening training: Staff, Afra and youth
- Cross visits (with AFRA)
 - Enaleni farm Camperdown: organic gardening and livestock, value adding
 - Besters livestock auction

Marketing



Bergville Emmaus marketing stall at Emmaus pension day
`R2 400 in sales: Mostly spinach, onions, green peppers, meat (pork), and green maize

Tunnel and gardening training



First tunnel training in Bergville; Ezibomvini and Eqeleni
Second combined with intensive organic gardening and S&W conservation in Ozwathini

Poultry

MDF Contribution		Layers	Broilers	Layers Mash (50kg)	Broiler starter (50 kg)	Broiler finisher (50 kg)	Feeders 10-12l)	Drinkers (10-12l)				
	Matatiele	30	90	3	4	4	15	9				
	SKZN	33	40	4	4	4	11	11				
	Bergville	60	170	6	7	7	23	23	Note : Only 6 people for layers at the moment; We can't afford to support 13. Team will need to prioritize according to level of preparation			
	Midlands	50	30	5	1	1	8	8				
Total		173	330	18	16	16	57	51				
Prices		R 19 800,00	R 3 300,00	R 4 500,00	R 5 040,00	R 5 040,00	R 4 275,00	R 3 825,00				
TOTAL								R 45 780,00				
Payment by participants		Layers	Broilers	Layers Mash (50kg)	Broiler starter (50 kg)	Broiler finisher (50 kg)	Feeders 10-12l)	Drinkers (10-12l)	Paid already			
	Matatiele	13	117	1	1,5	1,5			R2 320,00			
	SKZN	3		1								
	Midlands	40	100						R5 760,00			
	Bergville		200						R2 000,00			
Total		56	417	2	1,5	1,5	0	0	R10 080,00			
Grand total		229	747	20	18	18	57	51				

Participants also contributed financially
 Difficulty in finding point of lay hens and day old chicks.

Limpopo

USAID support

- ResilmO: AgriSi in association with AWARD
- Resilient Waters: *Community based climate change adaptation for increased water productivity and food security for improved rural livelihoods in the Lower Olifants basin*
 - AWARD, K2C, Hoedspruit Hub, Hlokomela, Sociotechnical Interfacing
- 12 Village level CoPs
- 9 VSLAs
- Activities
 - Agroecological approaches in gardening
 - Tunnels and drip irrigation
 - RWH and S&W conservation
 - Marketing; PGS, Kaya Ndlovu market, Tala table network
 - Livestock integration: livestock health, fodder, poultry
 - Conservation Agriculture
 - Local water implementation; Sedawa, Turkey
 - Seed saving

Objective/ impact

Climate Resilient localized food system development and water resources management in the Lower Olifants Basin in Limpopo

Outcomes

- Increased climate resilience and agricultural productivity
- Increased food security at household level
- Improved local water access and integrated water resources management
- Increased social agency through self-organization and collective action
- Improved local food systems and marketing strategies

Activities and outputs

Implementation of a basket of locally relevant **Climate Resilient Agriculture practices** including gardening, cropping, fruit production, livestock management and integration and

Transformation of **local food systems**; nutrition, value adding livelihoods diversification, local marketing options, certification, savings and loan associations and enterprise development.

Inclusive water infrastructure management including improved water productivity in agriculture, soil and water conservation and locally developed and managed water sources for household use and farming.

Social process

Innovation platforms/ Communities of Practices directly address localized challenges faced by vulnerable populations in a way that is inclusive, provides for social equity, is focused on the rural poor, creates value chain opportunities and enables broader collaboration in policy and strategy development with role players in the wider basin.

Methodology/ intervention

Participatory innovation development approaches linked to community-based climate change adaptation provide for learning, mentoring, facilitation and limited financial support to smallholder farmers

