

KALRO

CATEGORY: Research
CSA PROJECT 1: Kenya Cereals Enhancement Programme-Climate Resilient Agricultural livelihoods (KCEP-CRAL)
SCALE: County coordination actions
LOCATION (COUNTY): Kilifi: Magarini, Malindi, Kilifi, Kwale: LungaLunga, TaitaTaveta: Voi, Mwatate, Taita and Taveta; Kitui, Makueni, Machakos, Embu, Tharaka-Nithi, Nakuru, Nandi, Kakakamega, Bungoma, TransNzoia
PERIOD: 2015-2022
GRANT SIZE OF THE PROJECT: KES 166M



CSA PROJECT 2: NRF Project on Enhancing the Contribution of Moringa oleifera (Lamarck) to Soil Health, Climate Resilience and Community Livelihoods in Kenya
SCALE: County
LOCATION (COUNTY): Embu and Tharaka-Nithi
PERIOD: 2018-2021
GRANT SIZE OF THE PROJECT: KES 12.9 M



SUMMARY OF ACTIONS

KALRO is involved in coordination of agricultural research in Kenya with the goals to; promote, streamline, co-ordinate and regulate research in crops, livestock, genetic resources and biotechnology in Kenya; to expedite equitable access to research information, resources and technology; and promote the application of research findings and technology in the field of agriculture.

CONTEXT

The agricultural sector is the backbone of the Kenyan economy and the major means of livelihoods for a majority of the rural population. Despite many years of development support to the agricultural sector, the production systems have remained generally small scale for subsistence, rain fed and poorly mechanized. Drought as a result of frequent rain failures in both the highlands and the ASAL areas are becoming very frequent and extended.

Climate Smart Agriculture is a solution to help farmers cope with climate change as it addresses the challenges of building synergies between climate change mitigation, adaptation and food security issues that are closely related within agriculture and minimizing their potential trade-off.

OBJECTIVE OF THE PROJECT

Project 1-KCEP-CRAL: To enhance capacity building for Climate-Resilient cereal productivity to contribute towards national food deficit

Project 2-NRF: To enhance the contribution of Moringa Oleifera to soil health, climate resilience and community livelihoods in Kenya.

KEY INTERVENTIONS FOR PROJECTS 1 AND 2

FARM LEVEL	TARGET(No of FARMERS)	INDICATORS MONITORED
Soil management	An average of 12,000 per county. A total of 185,000 farmers, 100,000 farmers from the ASAL counties	Erosion levels; Fertility (PH), Carbon content, nutrient levels
Promotion of drought tolerant crops	12,000 per county	Yield, Post harvest losses
Disease and pest management	12,000 per county	Number of pests and diseases; Methods used in control
BEYOND FARM LEVEL	TARGET BENEFICIARIES	INDICATORS MONITORED
Gender (Youth and Women inclusion in CSA)	At least 50% of women and youths in the projects	Resource ownership/control, access and use Decision making participation of women and youths Benefits from crops sale proceeds
CSA based access to markets and value chains	Farmers linked to markets for the crops being supported	Number of farmers linked Number of markets Incomes generated

PARTICIPATION IN KEY CLIMATE & AGRICULTURE NETWORKS

KALRO is a member of the Climate Smart Agriculture Multi stakeholder Platform.

INVOLVEMENT IN CSA	RELEVANCE OF CSA MSP TO WORK
<ul style="list-style-type: none"> • Research • Policy formulation • Knowledge dissemination • Technology transfer 	<ul style="list-style-type: none"> • Information about CSA • Networking • Learning and exchange • Reporting and showcasing

RECOMMENDATION ON WAYS TO SUPPORT MSP

- Dissemination of climate smart agriculture knowledge and technologies

- Conduct research to provide scientific evidence
- Monitoring, evaluation and audit of climate smart agriculture aspects to enhance accountability .

LESSONS LEARNED AND CHALLENGES IN IMPLEMENTATION OF CSA PROJECT

Majority of the smallholder farmers are hardworking and ready to embrace new technologies. The challenges are weather uncertainties, unstable flow of funds and delay in finalizing subsidiary agreements.

RELEVANT LINKS & REFERENCES

<http://www.kalro.org/>