NRM ADAPTATIVE RESEARCH WORKSHOP - NAIVASHA

UNIVERSITY OF EMBU

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NAIVASHA DAIRY RESEARCH INSTITUTE

KNOWLEDGE TRANSFORMS

Project title:

Improving Irrigation Water Use Efficiency and Functionality of Irrigation Schemes for Food Security in Water Deficit Counties

Target counties, value chains and sites:

- Kajiado Green grams and tomatoes (Nkuruman Irrigation Scheme)
- Machakos Green grams, pigeon peas (Kabaa & Namelok Irrigation Schemes)
- Tharaka-Nithi Green grams and bananas Kanjoro

Goal:

Poverty levels and food insecurity in target counties reduced through sustainable improvement of returns to irrigation investments

Outcomes:

- Sustainable economic returns and profitability from irrigation investments increased
- Resilience of land systems under irrigation improved

Project duration – 24 months (March 2020 – Feb 2022)

Expected outputs:

- Sensor-based and market-driven irrigation technologies validated
- Soil and irrigation water productivity among smallholders improved
- ICT-based information sharing, and social learning platforms facilitated and promoted
- Adaptive capacity of the irrigators and supporting agencies developed through short-term training sessions and exchange programs
- Evidence-based county level policy, planning and budgeting processes in the irrigation sub-sector promoted

Organization	Allocated Budget (Ksh)
University of Embu – Lead Organization	5,696,255
Meru University of Science and Technology	6,075,046
KALRO - Kabate	6,384,566
KALRO - AMRI	3,611,129
Total Resource Envelope	21,998,604

TIMPS	County
Climate Smart Irrigation (Sensor-based drip and flood)	All counties
Soil amendments - Vermitech package technology,	Kajiado and Machakos
Irrigation water quality improvement - Phytoremedial plants	Kajiado and Machakos
Biochar	All counties
Value addition	All counties

Work-plan and Budget

file://localhost/Users/hezronmogaka/Desktop/ HM Works 2017/University of Embu/Concepts/ Funded Projects/KCSAP/KCSAP Irrigation Project/March 2020 Naivasha Workshop/9. Workplan CSA Irrigation Revised on 23 Jan 2020.xlsx

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