

Kenya NRDS Implementation Status, KENYA; May 2010

J. C. Onyango and Bibiana Walela
Country NRDS Report by
National Rice Technical Committee



**3rd CARD GENERAL MEETING at
NGURDOTO RESORT, ARUSHA, TANZANIA
18th – 19th May 2010**



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Kenya NRDS Implementation Status, KENYA; May 2010

J.C. Onyango and Bibiana Walela

Department of Botany and Horticulture Maseno University

Ministry of Agriculture, Kilimo House, Nairobi, Kenya

Abstract.

Kenya National Rice Development Strategy (NRDS) development started in August 2008 by a team of multi-disciplinary experts from the parent Ministry of Agriculture and line Ministry of Water and Irrigation, Universities, research institutions – Kenya Agricultural Research Institute (KARI) and National Irrigation Board (NIB), Non-governmental Organizations (NGO), Farmers Based Organizations (FBO) and Seed companies. The Permanent Secretary, Ministry of Agriculture played a major role in coordinating the Task Force on the development and production of the NRDS. The final document was launched in October 2009 and has been presented in the first two CARD meetings. Thereafter, the task force was converted into the National Rice Technical Committee (NRTC). From NRDS several interventions have been developed and implementations of some aspects are in progress with funding from Kenya government and other development partners especially JICA/AICAD and FAO-(Spain) and IRRI. Kenya National Rice Technical Committee has played a key role in training of trainers (ToT) from the Agricultural extension officers in the pioneer districts in rice production. The trained ToTs then conduct training of farmers and frontline staff in their districts. On farm production implementation has been effected by the committee and over 2500 farmers have been engaged, through distribution of 1 Kg NERICA rice seeds during 2010 long rains season. Monitoring and evaluation of the crop is going on and preliminary results are encouraging. Enhanced seed production has been effected by contracting KARI to produce 100 tons of seed by end of 2010 with support from development partners namely FAO and IRRI. On farm production implementation by farmers has been effected. Expansion of irrigation and drainage is ongoing at Mwea, Ahero, West Kano, South-West Kano, Bunyala and Bura with funding from JICA, World Bank, FAO and African Development Bank.



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Chronology of Events



- **Launching of NRDS; October 28-29, 2009**

Participants- JICA, AICAD, FAO, MoA, KARI, NIB, MoWI, NCPB,

3-Universities, NGOs, CBOs, NRTC and NRSF

- **Mid-Year Stakeholder Meeting (MSM)**

April 22, 2010

Participants and Invited:- JICA, ADB, IFAD, FAO, World Bank, World Food Programme



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Kenya NRDS Priority Areas



Kenya



- Production area
- Untapped potential area
- Consumption area
- Research station
- Project sites
- Seed distribution facilities

© 1998 National Geographic Society



CARD

COALITION for AFRICAN RICE DEVELOPMENT

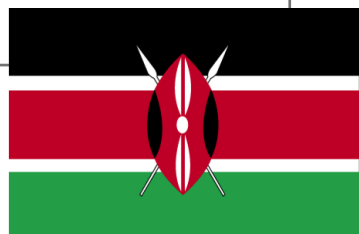
Modality of Implementation of NRDS

NRDS TF	ACR MCB	ASM MSM	National Rice Technical Committee (NRTC):- KARI, ASCU, NIB, Maseno University, KENFAP, SACRED Africa, MoWI, MoA, STAK
Stats Dept.	HL indicators	ASM MSM	KBS, KARI, KEPHIS
Government	Project updates	ASM MSM	MOA, MoWI, MoT
Donors	Project updates	ASM MSM	AGRA, JICA, University-JAPAN, FAO, ADB, IFAD, WB, WFP, ICCAE-Nagoya and other International Development Partners with Rice Development in Africa Interest.
NGO's	Project updates	ASM MSM	SACRED Africa,
Farmers		ASM	
Commercial Sector		MSM	A Farmer Platform, CIGs, KENFAP,
		ASM MSM	Dominion, NCPB, Rice Processors, Rice Traders, STAK, BAOBAB



CARD

COALITION for AFRICAN RICE DEVELOPMENT



Constraints in NRDS Implementation

- Farmers Lack the Required Rice Production Technologies
- Inadequate Seed Supply
- Lack of Rice Production and Processing Equipment
- Sustainable Access of Affordable Credit and Quality Inputs to Farmers
- Infestation by Insect Pests and Diseases
- Inadequate Funding



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Current Rice Related Interventions



- Seed Supply:-
 - Basic Seed of Four NERICA Varieties has been Produced by KARI
 - Western Seed Company has been contracted to Produce Commercial Seed
 - NERICA Seed and Fertilizers for Demonstration issued and planted by over 2500 Rice Farmers
- Human Resource Capacity Building:-
 - Trained over 100 TOTs who later trained Frontline Extension Staff and Farmers
 - Equipment Fabricators are being trained



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Current Rice Related Interventions cntd.



- NRTC Held Quarterly Meetings
- National Rice Stakeholders Forum (3)
- National Monitoring and Evaluation by NRTC
- Developed and Launched NRDS and its IF, Guidelines to Upland Rice Growing Manual, and National Rice Training Curriculum



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

Current Rice Related Interventions cntd.



- Rice Common Interest Groups Formed
- Rice Value Chain Study and Analysis Undertaken
- Two Farmers Open Days
- Some irrigation schemes are being renovated and expanded



CARD

COALITION for AFRICAN
RICE DEVELOPMENT

NARDS MATRICE- KENYA (Previous Projects from CARD KE 1 – 16 and Projects from KE-RDS 17-25) Overview of Sub-sector Coverage

KENYA	Policy / institutional	Infrastructure	Human resource capacity	Provision / support	Information/Knowledge	Unclassified
Seed breeding, multiplication, distribution	KE 15 – 6, KE-RDS 17-5	KE-RDS 22-6	KE 6 – 2, 3, KE 15 – 6 KE-RDS 21-3, KE-RDS 22-1,2 KE-RDS 21-1, KE-RDS 20-3, KE-RDS 19-6	KE 11 – 1, KE-RDS 17-1, KE-RDS 20-2, KE-RDS 20- 3, KE-RDS 19-7	KE-RDS 20- 1, KE-RDS 22-8,9 KE-RDS 20- 3	
Fertilizer production/importation distribution		KE-RDS 22-6	KE-RDS 21- 3, KE-RDS 20- 3 KE-RDS 22-1,2	KE 11 – 1 KE-RDS 20-2, KE-RDS 20-3	KE-RDS 20- 3 KE-RDS 22-8,9	
Irrigation / water management	KE 3 – 1, 2, 3, 4, KE 4 – 1.7, KE 12 – 4.1, 4.2, KE-RDS 18- 1, KE-RDS 18- 2	KE 1 – 1, 2, 6, KE12 – 1.1, 1.2, KE 9 – 2, KE-RDS 18- 1 , KE-RDS 18- 2 KE-RDS 22-6	KE 1 – 3, 4 KE 3 – 5 KE 4 – 3.2 KE 12 – 3, KE-RDS 21- 3, KE-RDS 22-1,2	KE 4 – 4.1, KE 5 – 1, 4 , KE-RDS 17-3, KE-RDS 18- 1	KE-RDS 17-3 KE-RDS 25-8,9	
On-farm technology transfer Research and extension	KE 8 – 1, KE 4 – 1.7 KE 2 – 1, 2 KE-RDS 21- 2, KE-RDS 23-1, KE-RDS 23-2	KE 9 – 2 KE 4 – 1.7 KE 15 – 5, KE-RDS 21-4, KE-RDS 24-1, KE-RDS 19-3, KE-RDS 24-4 KE-RDS 22-6	KE 12 – 3, KE 6 – 1 KE 6 – 4, KE 9 – 2, KE-RDS 21-1, KE-RDS 21- 3, KE-RDS 18- 3, KE-RDS 20- 3, KE-RDS 23-2, KE-RDS 19-4 KE-RDS 22-1,2, KE-RDS 22-4,5	KE-RDS 17-4, 6, KE-RDS 21- 4, KE-RDS 20- 3	KE-RDS 17-4, 6, KE-RDS 21- 2, KE-RDS 21- 5, KE-RDS 18- 3, KE-RDS 20- 3, KE-RDS 23-2, KE-RDS 19-4 KE-RDS 22-8,9	



KENYA	Policy / institutional	Infrastructure	Human resource capacity	Provision / support	Information/ Knowledge	Unclassified
Mechanization	KE 15 - 5, KE-RDS 19-5 KE-RDS 22-7	KE 15 - 5, KE-RDS 18- 4, KE-RDS 18- 5, KE-RDS 19-1, KE-RDS 19-3, KE-RDS 19-5 KE-RDS 22-6	KE-RDS 21- 3, KE-RDS 22-1,2 KE-RDS 18- 6, KE-RDS 20- 3, KE-RDS 19-2	KE12 - 2, KE 4 - 2, KE-RDS 20- 2, KE-RDS 20- 3, KE-RDS 19-5	KE-RDS 20- 3 KE-RDS 22-8,9	
Quality improvement - Processing / Storage	KE 10-3.1, 3.2 4.1 4.2, KE-RDS 22-3, KE-RDS 24-3, KE-RDS 24-7, KE-RDS 19-7	KE 12 - 1.3, KE 6 - 3 KE-RDS 24-3, KE-RDS 19-2, KE-RDS 19-3, KE-RDS 19-4 KE-RDS 22-6	KE 6 - 5, KE 15 - 7, KE-RDS 21- 3, KE-RDS 21- 6, KE-RDS 24-3, KE-RDS 19-6, KE-RDS 19-8 KE-RDS 22-1,2	KE-RDS 19-7	KE-RDS 21- 6, KE-RDS 24-3, KE-RDS 19-8, KE-RDS 22-8,9	
Access to market - Promotion of local produce / branding	KE 8 - 1, KE 11 -1, 4, KE-RDS 20- 4, KE-RDS 24-1	KE 6 - 5, KE 8 - 1 KE 10 - 1.5, KE-RDS 24-4, KE-RDS 22-5 KE-RDS 22-6	KE-RDS 21- 3, KE-RDS 24-2, KE-RDS 24-4 KE-RDS 22-1,2		KE-RDS 20- 4, KE-RDS 22-8,9 KE-RDS 24-2, KE-RDS 24-4, KE-RDS 19-8	
Access to credit	KE 8 - 1 KE 10 - 3.4/3.5, KE 11 - 5, KE-RDS 20- 4	KE 10 - 3.1, KE-RDS 22-6	KE 4 - 1.8, KE 14 - 1.1 KE 15 - 1, KE-RDS 21- 3 KE-RDS 22-1,2		KE-RDS 20- 4 KE-RDS 22-8,9	
Overall policy tools	KE 8 - 4, KE 10 - 1 KE 14 - 1.2, KE-RDS 21- 2, KE-RDS 21- 8, KE-RDS 24-5, KE-RDS 23-1, KE-RDS 23-2	KE-RDS 24-6	KE 8 - 4, KE 9 - 3 KE 10 - 1.2, KE-RDS 21- 3		KE-RDS 21- 7	
Monitoring and Evaluation system	KE-RDS 25-2,3	KE-RDS 22-6	KE-RDS 25-2,3, KE-RDS 21- 3 KE-RDS 22-1,2	KE-RDS 25-2,3	KE-RDS 25-1,2,3 KE-RDS 22-8,9	
Unclassified			KE-RDS 22-3			



NERICA-4 SEED BULKING AT MIAD, KENYA



RE-TRAINING OF DISTRICT CROPS OFFICERS ON RICE PRODUCTION SYSTEMS NERICA-4 SEED BULKING



FARMERS TRAINING - Ct

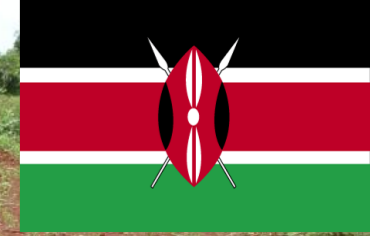




KIRINYAGA – Cr



BONDO - Nz

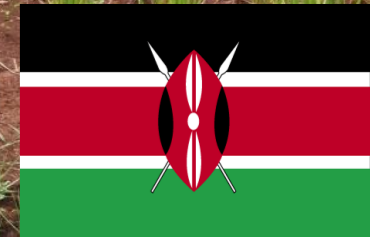


MARAKWET - RV



BUTULA - Wn

RESEARCH ON UPLAND AND LOWLAND FIELDS



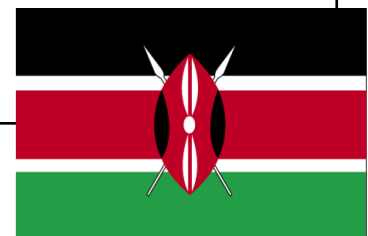
Analysis of Sub-Sector/Elements Interventions

Receiving High intervention	Receiving Medium intervention
Seed	Policy
Irrigation	Quality Control
Capacity Building for Farmers and Frontline Staff	Human Resource Needs 4 Researchers / Extension – MSc. and PhDs
Credit Access to Farmers	Lower cost of Production
On Farm Interventions	Variety and complimentary technology development
Access to Fertilizers and Market	Rice production and processing equipment development
Diseases	Insect Pests



CARD

COALITION FOR AFRICAN
RICE DEVELOPMENT



Short, Medium & Long Term Interventions

	Short Term	Medium Term	Long Term
Seed - breeding - multiplication - distribution	√	√	√
Fertilizer - production / importation - distribution	√	√	√
Irrigation / water management			√
On-farm technology transfer - Research and extension	√	√	√
Mechanization	√	√	√
Quality improvement - Processing / Storage	√		
Access to market - Promotion of local produce / branding		√	√
Access to credit	√	√	
Overall policy tools	√	√	√



Future Steps



- Way to improve NRDS implementation
 - Improve Capacity Building and Financial Support
- Key Intervention Sub-Sectors
 - Seed, Fertilizer, Irrigation, Agricultural Equipment, Post harvest, Natural Resource Management, Research, Credit, Marketing, Land Tenure, Agricultural Extension and Strengthening Farmer Associations.
- Steps to improve conformity of NRDS with overarching development framework & to secure more investments
- NRDS already aligned to NEPAD, CAADP, MDGs, Vision 2030.



CARD

COALITION for AFRICAN
RICE DEVELOPMENT



THANK YOU
FOR YOUR TIME
AND
LISTENING



CARD

COALITION for AFRICAN
RICE DEVELOPMENT