

Republic of Sudan
Ministry of Agriculture and Forestry
National Rice Production Project

Promotion of Rice Production in Sudan (2015-2019)

Vision: Meet domestic demand and export

Mission: Contribute to the development of a sustainable agricultural sector

Goal: Increase up 8 -10 times the current rice production by the year 2019

Objectives: Increase rice productivity

Support private sector in rice production

Improve production and dissemination of pure rice seeds

Enhance mechanization of rice cultivation, harvesting and post- harvest

Minimize post-harvest losses

Improve research, technology dissemination and capacity building on rice cultivation

Target area (ha) 2015-2019

Year	Irrigated upland rice	Irrigated low land rice	Swampy rice	Total
2015	210	378	4622	5210
2016	420	1050	5462	6932
2017	1680	2100	6302	10082
2018	5042	4200	7143	16385
2019	10504	8400	8400	27304

Estimated yield (ton/ha) in 2019

Ecosystem	
Submerged Basmati and others	10
Aerobic - Nerica 4 and released varieties	6
Swampy - local varieties	5

Estimated production (ton) 2015 – 2019

	2015	2016	2017	2018	2019
Irrig. upland rice	750	1250	8000	27600	63000
Irrig. Low land rice	2250	6250	15000	36000	84000
Swampy rice	9900	15600	22500	30600	42000
Total	12900	23100	45500	94200	189000

Action Plan for NRDS implementation and Rice Sector Development

Country Name: Democratic Republic of Sudan

Issue in NRDS Implementation/ Rice Sector Development (No. 1): : Slow Implementation of NRDS				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget (US\$ 000) and Sources
1.1 Mobilization of internal fund	1.1.1. Convincing of high ranking officials within the Ministry for internal fund mobilization	Budget Planning period of each year	Rice coordinators	N/A
	1.1.2. Timely submission of NRDS to ministry of finance	Budget Planning period of each year	Rice coordinators	N/A
1.2 Mobilization of external fund	1.2.1. Fund Matching Activities (Research of funding opportunities by visits to DPs)	First round visits asap/ then once a year	Rice coordinators	N/A
	1.2.2. Fund Matching Activities (Joint planning and formulation of investment/ project ideas)	At the timing of project formulation	Rice coordinators	N/A
	1.2.3. Presentation of C/Ns in various occasions	At the time of each occasion	Rice coordinators	N/A

Issue in NRDS Implementation/ Rice Sector Development (No. 2): Low Yield				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
2.1 Development of superior varieties	2.1.1 Evaluate introduced genotypes	2016-2018	ARC	50 MoAF, ARC, JICA and Donors
	2.1.2 Breeding improved varieties	2016 and on	ARC	150 MoAF, ARC, JICA and Donors
2.2 Good land preparation	2.2.1 Evaluate tillage system	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
	2.2.2 Determine sowing method	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.3 Timely sowing	2.3.1 Determine opt. sowing date at different ecological zones	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.4 Proper weed control	2.4.1 Identify suitable type and dose of herbicides	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.5 Optimum population density	2.5.1 Determine opt. seed rate and spacing	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.6 Efficient irrigation	2.6.1 Determine rice water requirement	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
	2.6.2 Determine watering interval	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.7 Adequate fertilization	2.7.1 Identify suitable type and dose of fertilizers	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
2.8 Provision of sufficient pure seed	2.8.1 Multiply foundation, registered and certified seed	2017-2019	MoAF, SRU, ARC, PS	3000 MoAF, PS and Donors
				Total 3600

Issue in NRDS Implementation/ Rice Sector Development (No. 3): Poor Quality				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
3.1 Proper harvesting	3.1.1 Determine harvesting time	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
	3.1.2 Determine type of harvester	2016-2017	ARC	50 MoAF, ARC, JICA and Donors
3.2 Improvement of post-harvest operations	3.2.2 Monitoring seed moisture content	2016 and on	MoAF, SRU	100 MoAF, JICA
				Total 200

Issue in NRDS Implementation/ Rice Sector Development (No. 4): Poor Technical capacity				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
4.1 Capacity Building for researchers	4.1.1 Provide training on rice research	2016-2017	MoAF, ARC, JICA	120 MoAF, ARC, JICA, Donors
4.2 Capacity Building for extensionists and technicians	4.2.1 Provide training on rice technologies	2016-2017	MoAF, SRU,ARC, JICA	230 MoAF, ARC, JICA, Donors
4.3 Sufficiency in rice sector staff	4.3.1 Recruit more extensionists and technicians	2016 and on	MoAF, SRU,ARC	250 MoF
				Total 600

Issue in NRDS Implementation/ Rice Sector Development (No. 5): Weak Technology Transfer				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
5.1 Dissemination of technological packages	5.1.1 Execute demonstration farms	2017-2019	MoAf, SRU, ARC and JICA	250 MoAF, JICA and Donors
	5.1.2 Execute pilot platforms	2017-2019	MoAf, SRU, ARC and JICA	250 MoAF, JICA and Donors
5.2 Promotion of rice production	5.2.1 Establish rice center of excelency	2016 and on	MoAF and JICA	5000 MoAF , JICA and Donors
5.3 Strengthening extension, Agric. Organizations and awareness building	5.3.1 Establish village rice council of producers and cooperatives	2016	MoAF and FU	100 MoAF and FU
	5.3.2 Utilize media	2017 and on	MoAF, FU, SRU, ARC, JICA	100 MoAF
				Total 5700

Issue in NRDS Implementation/ Rice Sector Development (No. 6): Lack/Shortage of Agric. Input Financing				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
6.1 Tax exemption for the private sector	6.1.1 provide agric. inputs such as machineries, fertilizers and herbicides	2016 and on	MoAF, MoF	NA
6.2 Government purchase and subsidy	6.2.1 provide subsidized agric. inputs such as machineries, fertilizers and herbicides	2016 and on	MoAF, MoF, ABS	NA

Issue in NRDS Implementation/ Rice Sector Development (No. 7): Underdeveloped Socio-economic approaches				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
7.1 Acceptance of farmers to rice as a more profitable crop	7.1.1 Provide farmers with adequate information on rice profitability	2016-2017	MoAF, SRU, ARC, JICA	50 MoAF, JICA, Donors
7.2 Preference of farmers to rice as a main food crop	7.2.1 Expose farmers to taste and cooking quality of different rice varieties	2016-2017	MoAF, SRU,ARC, JICA	50 MoAF, JICA, Donors
7.3 Empowerment of marketing systems	7.3.1 Establish national and state rice councils	2016 and on	MoAF, SRU, ARC, MoF, MoC, FU	100 MoAF, MoF, FU, PS
				Total 200

Issue in NRDS Implementation/ Rice Sector Development (No. 8): : Lack of harmonization in interventions in rice sector				
Solutions to address the issue	Actions	Timeline/ Deadline	Responsibility	Budget and Sources
8.1 Making stakeholders' platform	8.1.1 Hearing from stakeholders (DPs, Farmers, Traders, Millers, agro-dealers, banks)	April 2016	MoAF, Rice Coordinators	10 MoAF and Donors
	8.1.2 Selection of geographical locations	May 2016	MoAF, Rice Coordinators	10 MoAF and Donors
	8.1.3 Fund mobilization (identification of partners etc)	ASAP	Rice Coordinators	5 MoAF and Donors
	8.1.4 Organization of platform meetings	Once resources are mobilized, twice a year	Rice Coordinators	20 MoAF and Donors
8.2 Mainstreaming of NRDS	8.2.1 Briefing to high ranking officials on NRDS	Oct. 2015	Rice Coordinators	N/A
	8.2.2 Setting up a meeting between CARD Secretariat and High ranking officials	Oct. 2016	Rice Coordinators	25
8.3 Alignment of NRDS to CAADP Investment plan	8.3.1 Revision of NRDS	Oct. 2016	MoAF and Rice Coordinators	5
	8.3.2 Integration of NRDS to CAADP Investment Plan	At the time of revision of current Investment Plan	Rice Coordinators	N/A
				Total 75

Total budget 10,375,000 US\$

Ten Millions, Three Hundreds and Seventy Five Thousands US Dollars

Sudan Contribution is 30% out of the Total Amount