

Outlook of Rice Sector and NRDS Implementation in 23 CARD Member Countries

As of April 2018

Country	2015 Population (1,000)	2015 GDP USD Billion	2015 GDP Growth (%)	* 2015 Agriculture (annual growth %) (%)	Production Volume 2017/18 (1,000 tons, based on milled rice)	Importation Volume 2017/18	Consumption Volume 2017/18	Rice milling rate (%)	Production 2016/17 (1,000 MT, Paddy)	Import 2016/17	Consumption 2016/17	NRDS Production (1,000 MT, Paddy)						NRDS Cultivatoin Area (1,000 ha)						NRDS Development	WW1 Gap Analysis	WW2 Concept Note	Fund Matching	Seed			Mechanization				
												2008			2018			2008			2018							WW1 Drafting Strategy	WW2 Revising Draft Strategy	WW3 Concept Note	WW1 Strategy	WW2 Concept Note			
												Irrigated	Rain-fed lowland	Flooded Valley	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland										Irrigated	Upland	Rain-fed lowland
												50	30	20	165	698	105	14	20	10	33	279	30										76	11	230
Cameroon	23,344	28	5.8	5.3	183	857	1,040	63	183	857	1,040	Irrigated	Rain-fed lowland	Flooded Valley	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	Done	Done	Done	Done	Done
Ghana	27,410	38	3.9	2.5	650	1,125	1,767	60	500	1,000	1,550	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	On going	Done	Done	On going	Done	Done	Done		
Guinea	12,609	7	0.1	0.6	2,100	1,061	3,030	66	2,000	530	2,455	Alluvial plain &	Upland	Rain-fed lowland	Alluvial plain &	Upland	Rain-fed lowland	Alluvial plain &	Upland	Rain-fed lowland	Alluvial plain &	Upland	Rain-fed lowland	Alluvial plain &	Upland	Rain-fed lowland	Done	Done	Done	Done	Done	Done	Done	Done	Done
Kenya	46,050	63	5.6	5.6	152	788	924	66	150	697	841	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	Not yet started	Done	Done			
Madagascar	24,235	10	3.1	(0.9)	3,500	469	3,969	64	3,700	547	4,247	Rain-fed	High Season	Off-season	Rain-fed	High Season	Off-season	Rain-fed	High Season	Off-season	Rain-fed	High Season	Off-season	Rain-fed	High Season	Off-season	Done	Done	Done	On going	Done	Done	Done	Mechanization policy approved in	
Mali	17,600	13	6.0	6.9	2,669	154	2,923	65	2,451	200	2,585	1,608			3,970			627			1,087			Done	Done	Done	On going	Done	Done	Done					
Mozambique	27,978	15	6.6	3.2	360	923	1,283	65	351	769	1,120	265			1,363			231			389			Done	Done	Done	On going	Done	Done						
Nigeria	182,202	487	2.7	3.7	4,400	3,492	7,778	63	4,300	3,968	9,286	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	Done	Done	Done	The first WW was held	
Senegal	15,129	14	6.5	18.2	1,000	1,544	2,544	68	600	1,471	2,206	Senegal river	Anambe	Rain-fed	Senegal river	Anambe	Rain-fed	Senegal river	Anambe	Rain-fed	Senegal river	Anambe	Rain-fed	Senegal river	Anambe	Rain-fed	Done	Done	Done	On going	Done	Done	Done	On going	
Sierra Leone	6,453	4	(20.6)	3.1	1,200	556	1,756	63	1,100	397	1,497	Upland	others	Upland	others	Upland	others	Upland	others	Upland	others	Upland	others	Upland	others	Done	Δ	Δ		Done	Done	Done			
Tanzania	53,470	46	7.0	2.3	2,800	303	3,058	66	2,600	227	2,767	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	No need	Done	Done	Done	On going	
Uganda	39,032	28	5.1	2.3	231	185	354	64	231	185	354	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	Done	Done	Done	On going	

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Country	2015 Population	2015 GDP	2015 GDP Growth	* 2015 Agriculture (annual growth %)	Production Volume 2017/18	Importation Volume 2017/18	Consumption Volume 2017/18	Rice milling rate	Production 2016/17	Import 2016/17	Consumption 2016/17	NRDS Production						NRDS Cultivatoin Area						NRDS Development	WW1 Gap Analysis	WW2 Concept Note	Fund Matching	Seed			Mechanization		
												2008			2018			2008			2018							2008			2018		
	(1,000)	USD Billion	(%)	(%)	(1,000 tons, based on milled rice)		(%)	(1,000 MT, Paddy)					(1,000 ha)																				
								Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland											
Benin	10,880	8	2.1	-7.2	236	742	978	64	220	547	767	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	Done	Done				
												14	21	75	90	210	300	3	11	21	14	70	55										
Burkina Faso	18,106	11	4.0	(1.2)	375	577	938	65	362	538	908	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	Done	Done	Done	Done	Done	Done	
												69	13	118	137	155	440	13	12	47	20	62	110										
Central African Republic	4,900	2	4.8	3.5	-	-	-	-	-	-	-	60	39	13	103	64	21	2	17	5	3	21	6	Done			-						
Cote d'Ivoire	22,702	32	9.2	3.6	2,200	2,308	4,462	65	2,154	1,231	3,538	Irrigated	Rain-fed	Flooded	Irrigated	Rain-fed	Flooded	Irrigated	Rain-fed	Flooded	Irrigated	Rain-fed	Flooded	Done	Done	Done	Done	Done	Done	Done	Done		
												180	480	1	500	2,600	150	41	600	1	100	1,300	30										
Democratic Republic of Congo	77,267	35	6.9	4.7	300	222	522	63	351	206	522	40	328	17	80	900	420	16	411	8	20	600	140	Done	Done	Done	On going	Done	Done	Done			
Liberia	4,503	2	-	(5.3)	270	413	683	63	251	556	794	4	171	24	273	380	226	2	190	20	46	190	65	Done	Done	Done	On going	Done	Done				
Rwanda	11,610	8	6.9	5.0	89	62	151	65	89	62	151	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	Done			On going		
												66	-	-	369	-	5	7	-	-	26	-	3										
Gambia	1,991	1	4.7	7.0	55	254	308	65	54	238	285	-	-	-	-	-	-	-	-	-	-	-	Done	April 2015 onward	April 2015 onward	-	Done	Done	Done				
Togo	7,305	4	5.4	(1.0)	123	231	354	65	154	154	308	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	Not yet started	Done					
												26	9	51	70	23	140	9	7	20	17	13	37										
Ethiopia	99,391	62	9.6	6.4	-	-	-	-	-	-	-	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	Not yet started	Done	Done	Done			
												107	118	273	1,174	571	2,214	27	44	85	168	163	443										
Zambia	16,212	21	2.9	(7.7)	45	15	61	66	45	15	61	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Irrigated	Upland	Rain-fed lowland	Done	Done	Done	On going	The first WW was held					
												8	37	3	32	63	32	1	28	3	11	21	11										

Population

Source : World Bank (<http://data.worldbank.org/indicator/SP.POP.TOTL>)

GDP, GDP Growth Rate, Agriculture, value added (annual % growth)

Source : World Bank World Development Indicator (<http://databank.worldbank.org/data/home.aspx>)

Production, Importation, Consumption

Source : USDA PSD Online (<http://apps.fas.usda.gov/psdonline/psdquery.aspx>)

Remarks : Production, Imports and consumption data available in USDA site are milled rice, thus converted to "Paddy" by using milling rate applied for each country.

The data in Rwanda and Zambia are in 2013/14.