



AAGWa Crop Production Forecasts Brief Series

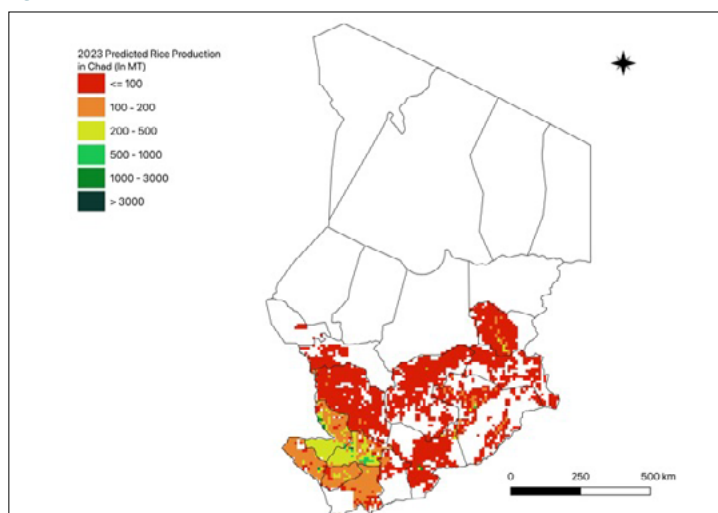
Chad – Rice

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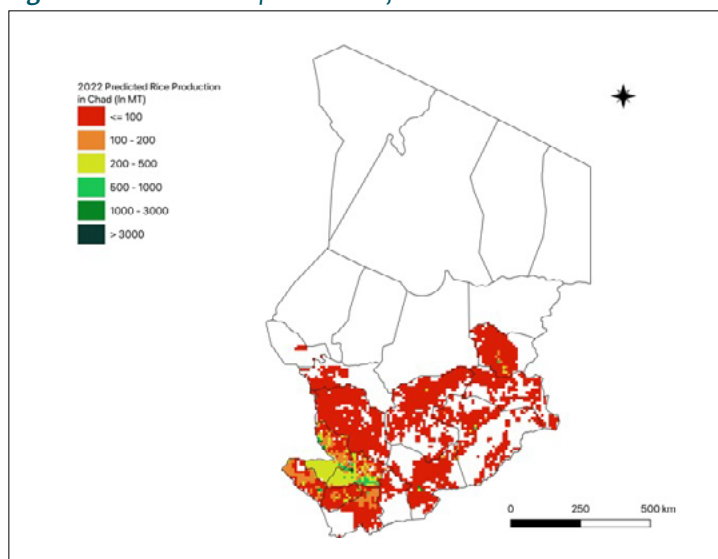
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently. The data published in the briefs are generated through the Africa Crop Production (AfCP) model, an Artificial Intelligence (AI-based) model applied to

Figure 1. Chad 2023 rice production forecast.



Data Source: Africa Agriculture Watch (www.aagwa.org).

Figure 2. Chad 2022 rice production forecast.



Data Source: Africa Agriculture Watch (www.aagwa.org).

remotely sensed geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 61, we provide forecasts on rice production in Chad.

In 2023, rice production in Chad is projected to reach 270,994 metric tons (MT), which corresponds to a 14% increase over 2022 production levels. The departments of Tandjilé Est (Tandjilé), Mayo-Boneye (Mayo-Kebbi Est), Mayo-Dallah (Mayo-Kebbi Ouest), Tandjilé Ouest (Tandjilé), and Kabbia (Mayo-Kebbi Est) are expected to produce the most significant volumes of rice, with production levels estimated at 49,311 MT, 35,705 MT, 17,760 MT, 17,166 MT, and 13,940 MT respectively. In comparison, lower production values are observed in areas such as Batha Oues (Batha), Assoungba (Ouaddaï), Dababa (Hadjer-Lamis), Mamdi (Lac), Biltine (Wadi Fira), and Monts de Lam (Logone Oriental) with production of, respectively, 16 MT, 16 MT, 38 MT, 59 MT, 74 MT, and 117 MT.

Compared to 2022, the most significant rice production increases in 2023 are expected to occur in Mayo-Boneye, Tandjilé Est, Mayo-Dallah, Tandjilé Ouest, and Kabbia (Mayo-Kebbi Est) with differences of respectively, 10,718 MT, 9,552 MT, 5,696 MT, 4,778 MT, and 4,348 MT, respectively. These correspond to changes of, respectively, 43%, 24%, 47%, 39%, and 45%.

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Annex – 2023 Chad Rice Production Forecast at Department level

Regions	Departments	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Batha	Batha Est	191	483	-292	-60%
Batha	Batha Oues	16	38	-22	-58%
Chari-Baguirmi	Baguirmi	8905	11063	-2158	-20%
Chari-Baguirmi	Loug Chari	5680	6075	-396	-7%
Chari-Baguirmi	N'Djamena	1596	2098	-502	-24%
Guéra	Barh Signaka	2110	3613	-1503	-42%
Guéra	Bitkine	2135	3815	-1680	-44%
Guéra	Guéra	3414	7049	-3635	-52%
Guéra	Mangalmé	1743	3919	-2177	-56%
Hadjer-Lamis	Dababa	38	77	-39	-50%
Hadjer-Lamis	Dagana	398	1916	-1518	-79%
Hadjer-Lamis	Haraze Al Biar	519	1836	-1317	-72%
Lac	Mamdi	59	365	-305	-84%
Logone Occidental	Dodjé	4613	2922	1691	58%
Logone Occidental	Lac Wey	8620	5187	3433	66%
Logone Occidental	Ngourkosso	3196	1992	1204	60%
Logone Oriental	Lanya	4856	2777	2079	75%
Logone Oriental	Monts de Lam	117	93	24	25%
Logone Oriental	Nya Pendé	6893	4398	2495	57%
Logone Oriental	Pendé	10354	6217	4137	67%
Mandoul	Mandoul Occidental	266	315	-49	-16%
Mandoul	Mandoul Oriental	2604	2340	264	11%
Mayo-Kebbi Est	Kabbia	13940	9592	4348	45%
Mayo-Kebbi Est	Mayo-Boneye	35705	24987	10718	43%
Mayo-Kebbi Est	Mont Illi	11620	7624	3996	52%
Mayo-Kebbi Ouest	Lac Léré	7733	4491	3242	72%
Mayo-Kebbi Ouest	Mayo-Dallah	17760	12064	5696	47%
Moyen-Chari	Barh Köh	5684	6813	-1129	-17%
Moyen-Chari	Grande Sido	724	1037	-313	-30%
Moyen-Chari	Lac Iro	5126	6028	-902	-15%
Ouaddaï	Assoungha	16	36	-20	-55%
Ouaddaï	Djourf Al Ahmar	3227	3290	-62	-2%
Ouaddaï	Ouara	5808	9474	-3666	-39%
Salamat	Aboudeïa	4214	4227	-13	0%
Salamat	Barh Azoum	8527	8211	316	4%
Salamat	Haraze Mangueigne	5146	5489	-343	-6%
Sila	Djourf Al Ahmar	2090	4140	-2050	-50%
Sila	Sila	2414	4554	-2140	-47%
Tandjilé	Béré	6124	4751	1373	29%
Tandjilé	Tandjilé Est	49311	39759	9552	24%
Tandjilé	Tandjilé Ouest	17166	12388	4778	39%



Regions	Departments	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Ville de N'Djamena	N'Djamena	261	253	7	3%
Wadi Fira	Biltine	74	249	-175	-70%
Total		270994	238046	32948	14%

MT (Metric tons): 1 MT is equivalent to 1,000 kilograms.

Change: refers to the relative difference and is calculated as (2023 prod – 2022 prod) divided by 2022 prod.

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