

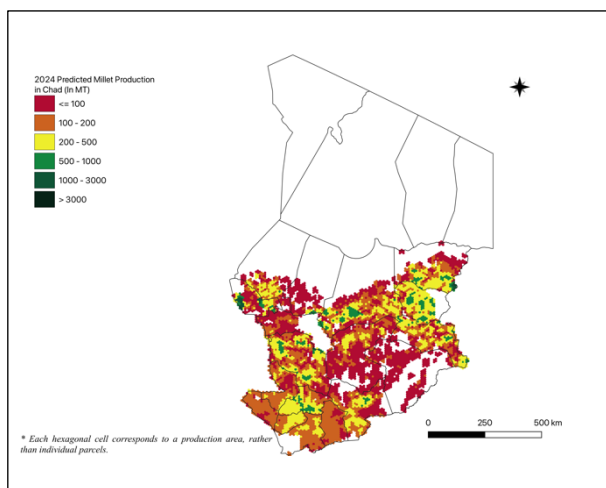
AAGWa Crop Production Forecasts Brief Series Chad – Millet

Aïssatou Ndoye*, Mansour Dia**, and Khadim Dia***

No. 175, August 2024

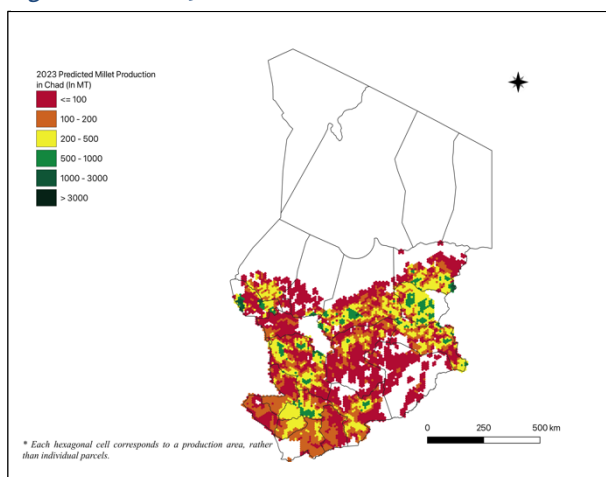
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly

Figure 1. Chad 2024 Millet Production Forecast.



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

Figure 2. Chad 2023 Millet Production Forecast.



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

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 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 175, we provide forecasts on millet production in Chad.

In 2024, millet production in Chad is projected to reach 838,688 metric tons (MT), corresponding to a 4% increase over 2023 production levels. Departments in the southern part of the country are expected to produce the most significant volumes of millet, particularly in Baguirmi (Chari-Baguirmi), Ouara (Ouaddaï), Batha Oues (Batha), Sila, and Mamdi (Lac) with production levels estimated at 66,053 MT, 65,473 MT, 58,136 MT, 43,823 MT, and 41,455 MT, respectively. In contrast, lower production values are observed in Assoungha (Ouaddaï), Monts de Lam (Logone Oriental), N'Djamena (Ville de N'Djamena), Dababa (Hadjer-Lamis), Mandoul Occidental (Mandoul), and Ngourkosso (Logone Occidental), with production values reaching only 175 MT, 224 MT, 844 MT, 1,222 MT, 3,130 MT, and 3,798 MT, respectively.

Compared to 2023, the most significant millet production increases in 2024 are expected to occur in areas such as Kobé (Wadi Fira), Mayo-Dallah (Mayo-Kebbi Ouest), Mayo-Boneye (Mayo-Kebbi Ouest), Barh Köh (Moyen-Chari), and Baguirmi (Chari-Baguirmi), with differences of respectively with differences of, respectively, 3,172 MT, 2,967 MT, 2,729 MT, 2,400 MT, 2,303 MT. These correspond to changes of 60%, 32%, 17%, 12%, and 4% respectively.

*Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

**Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

***Senior Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

Annex – 2024 Chad Millet Production Forecast at District Level

Regions	Departments	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Barh el Ghazel	Barh El Gazel	8199	6647	1553	23%
Batha	Batha Est	38932	36683	2249	6%
Batha	Batha Oues	58136	58813	-677	-1%
Batha	Fitri	6564	5581	984	18%
Chari-Baguirmi	Baguirmi	66053	63750	2303	4%
Chari-Baguirmi	Loug Chari	32690	33653	-963	-3%
Chari-Baguirmi	N'Djamena	10073	10152	-79	-1%
Guéra	Barh Signaka	11617	11496	121	1%
Guéra	Bitkine	16053	16137	-85	-1%
Guéra	Guéra	16204	14728	1476	10%
Guéra	Mangalmé	11809	11874	-65	-1%
Hadjer-Lamis	Dababa	1222	1156	67	6%
Hadjer-Lamis	Dagana	7580	5850	1730	30%
Hadjer-Lamis	Haraze Al Biar	6124	5502	622	11%
Kanem	Kanem	18575	18210	366	2%
Kanem	Nokou	5529	4990	540	11%
Lac	Mamdi	41455	40019	1436	4%
Lac	Wayi	7449	7693	-244	-3%
Logone Occidental	Dodjé	5470	5321	149	3%
Logone Occidental	Lac Wey	10239	10298	-59	-1%
Logone Occidental	Ngourkosso	3798	3873	-75	-2%
Logone Oriental	Lanya	5307	4825	481	10%
Logone Oriental	Monts de Lam	224	212	12	6%
Logone Oriental	Nya Pendé	9239	8690	550	6%
Logone Oriental	Pendé	12339	11398	941	8%
Mandoul	Barh Sara	10031	7988	2043	26%
	Mandoul				
Mandoul	Occidental	3130	2842	288	10%
Mandoul	Mandoul Oriental	9788	7912	1875	24%
Mayo-Kebbi Est	Kabbia	7061	6341	719	11%
Mayo-Kebbi Est	Mayo-Boneye	18773	16045	2729	17%
Mayo-Kebbi Est	Mont Illi	5621	4615	1006	22%
Mayo-Kebbi Ouest	Lac Léré	6410	4256	2154	51%
Mayo-Kebbi Ouest	Mayo-Dallah	12269	9301	2967	32%
Moyen-Chari	Barh Köh	22288	19888	2400	12%
Moyen-Chari	Grande Sido	7204	6407	797	12%
Moyen-Chari	Lac Iro	25502	23694	1808	8%
Ouaddaï	Assoungaha	175	211	-36	-17%
Ouaddaï	Djourf Al Ahmar	17550	19297	-1747	-9%
Ouaddaï	Ouara	65473	70976	-5504	-8%
Salamat	Aboudeïa	4708	4553	155	3%
Salamat	Barh Azoum	6737	6552	186	3%
	Haraze				
Salamat	Mangueigne	4416	3977	439	11%
Sila	Djourf Al Ahmar	24064	26300	-2237	-9%
Sila	Sila	43823	44687	-864	-2%
Tandjilé	Béré	5388	5691	-302	-5%
Tandjilé	Tandjilé Est	40820	41558	-738	-2%
Tandjilé	Tandjilé Ouest	15773	16116	-343	-2%



Ville de N'Djamena	N'Djamena	844	753	91	12%
Wadi Fira	Biltine	27270	25005	2265	9%
Wadi Fira	Dar Tama	34199	32407	1791	6%
Wadi Fira	Kobé	8491	5319	3172	60%
Total		838688	810242	28447	4%

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

Change: refers to the relative difference and is calculated as (2024 prod – 2023 prod) divided by 2023 prod.

Suggested Citation: Ndoye, A., M. Dia, and K. Dia. 2024. AAgWa Crop Production Forecasts Brief Series: Chad – Millet. AAgWa Crop Production Forecasts Brief Series, No. 175. Kigali: AKADEMIYA2063.

<https://doi.org/10.54067/acpf.175>