Africa Agriculture Watch
By AKADEMIYA2063

AAgWa Crop Production Forecasts Brief Series

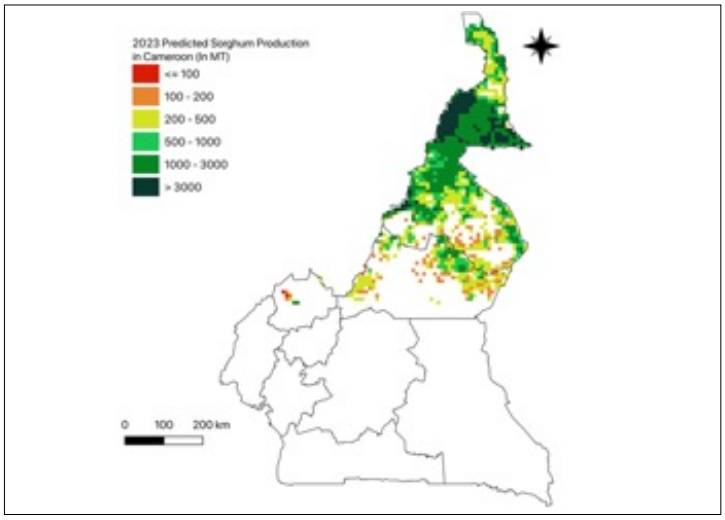
Cameroon – Sorghum

Aissatou Ndoye*, Mansour Dia **, and Khadim Dia***

No. 38, August 2023

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 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 38, we provide forecasts on sorghum in Cameroon.

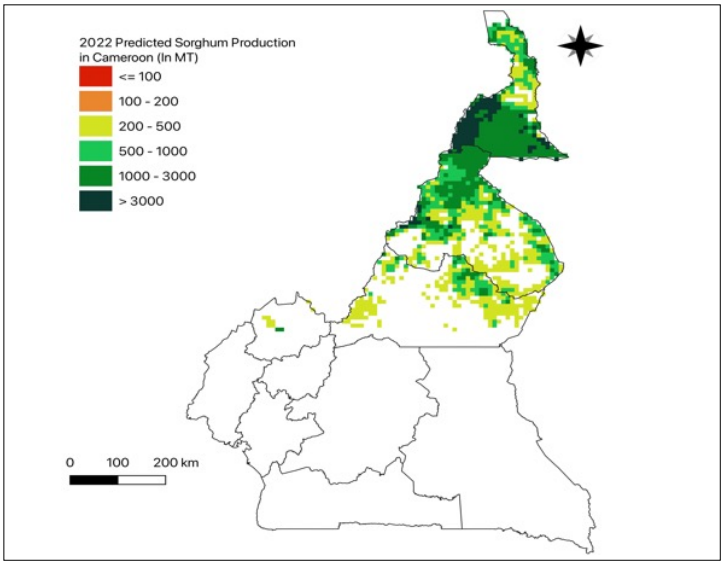
Figure 1. *Cameroon 2023 sorghum production forecast.*



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

In 2023, sorghum production in Cameroon is projected to reach 1,404,135 metrics tons (MT), indicating a 6% increase over 2022 production levels. The Northern provinces (Extreme-North) are expected to produce the most significant volumes of sorghum, particularly in Mayo Tsanaga, Mayo Kani, Bénoué, and Mayo Danay, with production volumes estimated at 197,644 MT, 156,514 MT, 151,532 MT, and 141,543 MT respectively. On the contrary, lower production levels are observed in regions such as Donga Mantung (North-West), Djerem (Adamaoua), Menchum (North-West), and Mayo Banyo (Adamaoua) with respectively 564 MT, 605 MT, 4,035 MT, and 9,788 MT.

Figure 2. *Cameroon 2022 sorghum production forecast.*



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

Moreover, the highest sorghum production increases in 2023 compared to 2022 are expected to occur in the northern part of the country, particularly in Bénoué, Mayo Kani, Diamaré, and Mayo Tsanaga, with differences of respectively, 15,922 MT, 12,585 MT, 12,279 MT, and 11,733 MT. These correspond to changes of respectively, 12%, 9%, 11%, and 6%.

*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 – 2023 Cameroon Sorghum Production Forecast at District level

Provinces	Communes	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Adamaoua	Djerem	605	884	-279	-32%
Adamaoua	Faro et Déo	13864	13905	-40	0%
Adamaoua	Mayo Banyo	9788	12652	-2865	-23%
Adamaoua	Mbéré	13135	16989	-3853	-23%
Adamaoua	Vina	66304	65611	694	1%
Extrême-Nord	Diamaré	126564	114284	12279	11%
Extrême-Nord	Logone et Chari	78498	78284	214	0%
Extrême-Nord	Mayo Danay	141543	131100	10443	8%
Extrême-Nord	Mayo Kani	156514	143929	12585	9%
Extrême-Nord	Mayo Sava	96796	89729	7068	8%
Extrême-Nord	Mayo Tsanaga	197644	185912	11733	6%
Nord	Bénoué	151532	135610	15922	12%
Nord	Faro	114348	106699	7649	7%
Nord	Mayo Louti	107677	96464	11213	12%
Nord	Mayo Rey	124724	130131	-5407	-4%
Nord-Ouest	Donga Mantung	564	738	-174	-24%
Nord-Ouest	Menchum	4035	4198	-163	-4%
Total		1404135	1327117	77018	6%

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.*

Suggested Citation: Ndoye, A., M. Dia, and K. Dia. 2023. *AAgWa Crop Production Forecasts Brief Series: Cameroon – Sorghum*. AAgWa Crop Production Forecasts Brief Series, No. 38. Kigali: AKADEMIYA2063. https://doi.org/10.54067/acpf.38