

AAGWa Crop Production

Forecasts Brief Series

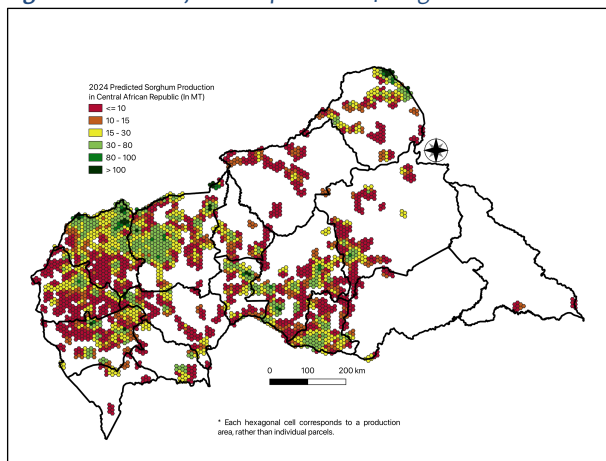
Central African Republic – Sorghum

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

No. 186, August 2024

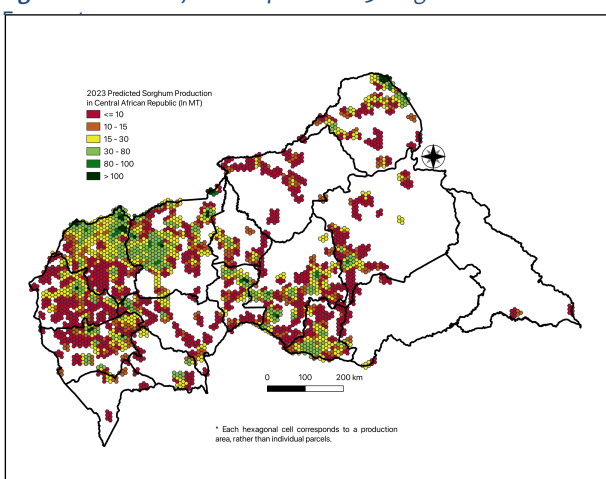
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly 50

Figure 1. Central African Republic 2024 Sorghum Production



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

Figure 2. Central African Republic 2023 Sorghum Production



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

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 186, we provide forecasts on sorghum production in Central African Republic.

In 2024, sorghum production in Central African Republic is projected to reach 32,275 metric tons (MT), corresponding to a 1% increase over 2023 production levels. The Western and Northern districts are expected to produce the most significant volumes of sorghum, particularly in Paoua (Ouham-Pendé), Bossangoa (Ouham), Birao (Vakaga), and Bocaranga (Ouham-Pendé), with production levels estimated at 3,627 MT, 3,362 MT, 2,427 MT, and 2,337 MT, respectively. In contrast, lower production values are observed in Bamingui (Bamingui-Bangoran), Boali (Ombella-M'Poko), Obo (Haut-Mbomou), and Bambio (Sangha-Mbaéré), reaching only 20 MT, 32 MT, 36 MT, and 38 MT.

Moreover, the most significant sorghum production increases in 2023 are expected in Birao, Ippy (Ouaka), Alindao (Basse-Kotto), and Kembé (Basse-Kotto), with differences of, respectively, 75 MT, 42 MT, 41 MT, and 40 MT. These correspond to changes of 3%, 4%, 8%, and 8%.

*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 Central African Republic Sorghum Production Forecast at District Level

Prefectures	Sub-prefectures	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Bamingui-Bangoran	Bamingui	20	19	1	5%
Bamingui-Bangoran	Ndélé	408	393	15	4%
Basse-Kotto	Alindao	529	488	41	8%
Basse-Kotto	Kembé	538	498	40	8%
Basse-Kotto	Mingala	57	49	8	16%
Basse-Kotto	Mobaye	914	877	37	4%
Haut-Mbomou	Obo	36	32	5	16%
Haute-Kotto	Bria	1109	1084	25	2%
Haute-Kotto	Ouadda	126	121	6	5%
Haute-Kotto	Yalinga	81	79	1	1%
Kémo	Dékoa	996	1016	-20	-2%
Kémo	Sibut	364	326	37	11%
Lobaye	Boda	71	65	6	9%
Lobaye	M'Baïki	381	359	22	6%
Mambéré-Kadéï	Berbérati	408	391	17	4%
Mambéré-Kadéï	Carnot	1542	1517	25	2%
Mambéré-Kadéï	Gamboula	56	49	6	12%
Mbomou	Bakouma	39	38	2	5%
Mbomou	Gambo-Ouango	64	57	7	12%
Nana-Grébizi	Kaga-Bandoro	424	413	11	3%
Nana-Grébizi	Mbrès	180	172	9	5%
Nana-Mambéré	Baboua	343	327	17	5%
Nana-Mambéré	Baoro	632	604	28	5%
Nana-Mambéré	Bouar	1266	1253	13	1%
Ombella-M'Poko	Bimbo	155	140	15	11%
Ombella-M'Poko	Boali	32	28	4	14%
Ombella-M'Poko	Damara	73	66	7	11%
Ombella-M'Poko	Yaloké	886	893	-7	-1%
Ouaka	Bakala	43	41	2	5%
Ouaka	Bambari	801	763	38	5%
Ouaka	Grimari	645	640	5	1%
Ouaka	Ippy	1095	1053	42	4%
Ouaka	Kouango	764	730	34	5%
Ouham	Batangafo	1846	1871	-25	-1%
Ouham	Bossangoa	3362	3367	-5	0%
Ouham	Bouca	408	392	16	4%
Ouham	Kabo	367	393	-27	-7%
Ouham	Markounda	1910	1933	-23	-1%
Ouham-Pendé	Bocaranga	2337	2344	-6	0%
Ouham-Pendé	Bozoum	717	728	-11	-2%
Ouham-Pendé	Paoua	3627	3720	-93	-2%
Sangha-Mbaéré	Bambio	38	33	5	15%
Sangha-Mbaéré	Nola	81	64	17	27%
Vakaga	Birao	2427	2353	75	3%
Vakaga	Ouanda Djallé	77	70	7	10%
Total		32275	31849	429	1%



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

Change: refers to the relative difference and is calculated as $(2024 \text{ prod} - 2023 \text{ prod})$ divided by 2023 prod.

Suggested Citation: Ndoye, A., M. Dia, and K. Dia. 2024. AAgWa Crop Production Forecasts Brief Series: Central African Republic – Sorghum. AAgWa Crop Production Forecasts Brief Series, No. 186. Kigali: AKADEMIYA2063.

<https://doi.org/10.54067/acpf.186>