

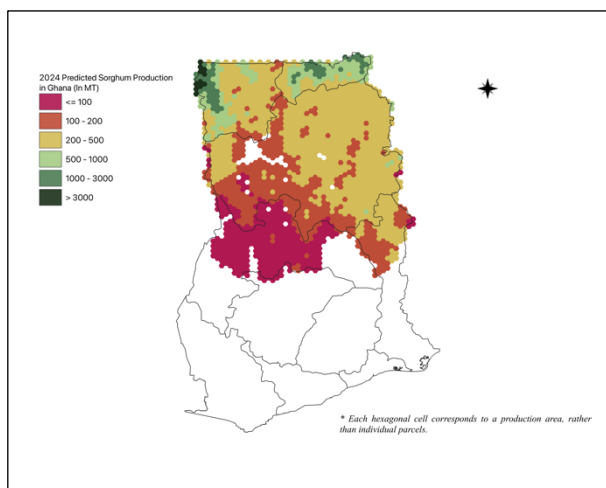
AAGWa Crop Production Forecasts Brief Series Ghana – Sorghum

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

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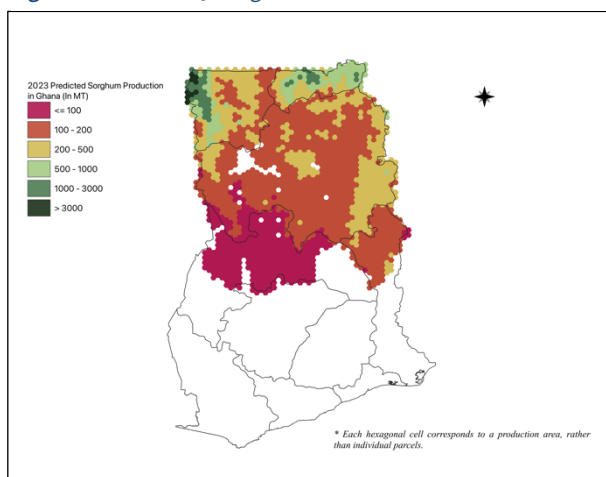
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly

Figure 1. Ghana 2024 Sorghum Production Forecast.



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

Figure 2. Ghana 2023 Sorghum 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 189, we provide forecasts on sorghum production in Ghana.

Sorghum production in Ghana is projected to reach 399,619 metric tons (MT), indicating a 20% increase over 2022 production levels. The northern part of the country is expected to produce the most significant volumes of sorghum, particularly the Upper West districts such as Lawra, Sissala East, Wa East, Nandom, and Nadowli-Kaleo, with production levels estimated at 18,919 MT, 17,833 MT, 16,217 MT, 15,710 MT, and 14,561 MT, respectively. In contrast, lower production values are observed in the Southern districts such as Techiman (Bono East), Ejura-Sekyedumase (Ashanti), Sunyani West (Bono), Sagnerigu (Northern), and Tamale (Northern), with production of, respectively, 91 MT, 98 MT, 172 MT, 321 MT, and 670 MT.

Moreover, the most significant sorghum production increases in 2023 compared to 2022 are expected in the Upper districts such as in Sissala East, Wa East, Central Gonja (Savannah), North East Gonja (Savannah), and West Mamprusi (North East), with differences of

respectively 4,306 MT, 3,082 MT, 3,041 MT, 2,721 MT, and 2,071 MT. These correspond to changes of 32%, 23%, 32%, 31%, and 37% 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 Ghana Sorghum Production Forecast at District Level

Regions	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Ashanti	Ejura-Sekyedumase	98	90	9	10%
Bono	Banda	1654	1560	95	6%
Bono	Sunyani West	172	171	2	1%
Bono	Tain	1856	1779	77	4%
Bono	Wenchi	732	703	29	4%
Bono East	Atebubu-Amantin	2439	2219	220	10%
Bono East	Kintampo North	3498	3125	372	12%
Bono East	Kintampo South	1778	1635	143	9%
Bono East	Nkoranza North	1696	1533	163	11%
Bono East	Nkoranza South	946	859	87	10%
Bono East	Pru East	1839	1721	118	7%
Bono East	Pru West	1521	1377	145	11%
Bono East	Techiman	91	85	6	7%
North East	Bunkpurugu Nakpanduri	2384	1811	573	32%
North East	Chereponi	4783	4079	704	17%
North East	East Mamprusi	5490	4116	1374	33%
North East	Mamprugu Moagduri	5728	4032	1697	42%
North East	West Mamprusi	7675	5605	2071	37%
North East	Yunyoo-Nasuan	1558	1196	363	30%
Northern	Gushegu	7657	5697	1960	34%
Northern	Karaga	8388	6344	2044	32%
Northern	Kpandai	4261	3644	617	17%
Northern	Kumbungu	4480	3356	1124	33%
Northern	Mion	6660	4915	1744	35%
Northern	Nanton	1153	837	316	38%
Northern	Nanumba North	7104	5785	1319	23%
Northern	Nanumba South	6814	5576	1238	22%
Northern	Saboba	5026	4061	965	24%
Northern	Sagnerigu	321	253	68	27%
Northern	Savelugu	4574	3312	1262	38%
Northern	Tamale	670	487	183	38%
Northern	Tatale Sanguli	3936	3525	411	12%
Northern	Tolon	4771	3768	1003	27%
Northern	Yendi	4574	3696	878	24%
Northern	Zabzugu	5190	4526	664	15%
Oti	Krachi East	4713	4020	693	17%
Oti	Krachi Nchumuru	2348	2254	94	4%
Oti	Krachi West	1685	1610	75	5%
Oti	Nkwanta North	2683	1837	847	46%
Oti	Nkwanta South	5747	3860	1887	49%
Savannah	Bole	8318	7399	919	12%
Savannah	Central Gonja	12666	9624	3041	32%
Savannah	East Gonja	4302	3802	501	13%
Savannah	North East Gonja	11512	8791	2721	31%
Savannah	North Gonja	6704	4812	1892	39%
Savannah	Sawla-Tuna-Kalba	9790	7851	1938	25%
Savannah	West Gonja	4662	3393	1268	37%
Upper East	Bawku	1912	1709	202	12%
Upper East	Bawku West	9326	8123	1203	15%



Upper East	Binduri	3161	2781	380	14%
Upper East	Bolga East	1154	1047	107	10%
Upper East	Bolgatanga	2387	2101	286	14%
Upper East	Bongo	4868	4391	477	11%
Upper East	Builsa North	9639	8458	1181	14%
Upper East	Builsa South	4655	3765	890	24%
Upper East	Garu	5587	4910	677	14%
Upper East	Kasena Nankana East	6676	5782	894	15%
Upper East	Kasena Nankana West	5000	4272	728	17%
Upper East	Nabdam	1356	1169	187	16%
Upper East	Pusiga	3010	2724	286	10%
Upper East	Talensi	5726	4881	845	17%
Upper East	Tempane	4155	3828	327	9%
Upper West	Daffiama-Bussie-Issa	5949	5059	890	18%
Upper West	Jirapa	12793	11418	1375	12%
Upper West	Lambussie-Karni	11390	10303	1087	11%
Upper West	Lawra	18919	17643	1276	7%
Upper West	Nadowli-Kaleo	14561	13228	1333	10%
Upper West	Nandom	15710	14653	1057	7%
Upper West	Sissala East	17833	13528	4306	32%
Upper West	Sissala West	7891	6280	1611	26%
Upper West	Wa East	16217	13135	3082	23%
Upper West	Wa Municipal	6272	5675	596	11%
Upper West	Wa West	6825	5849	976	17%
Total		399619	333443	66179	20%

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.

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