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AAgWa Crop Production Forecasts Brief Series

South Sudan – Sorghum

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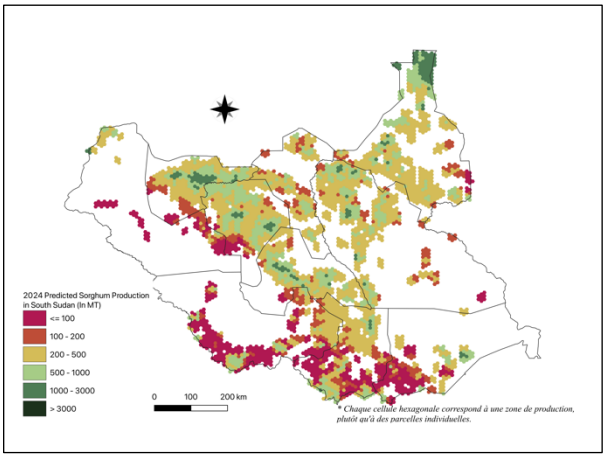
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAgWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow 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 161, we provide forecasts on sorghum production in South Sudan.

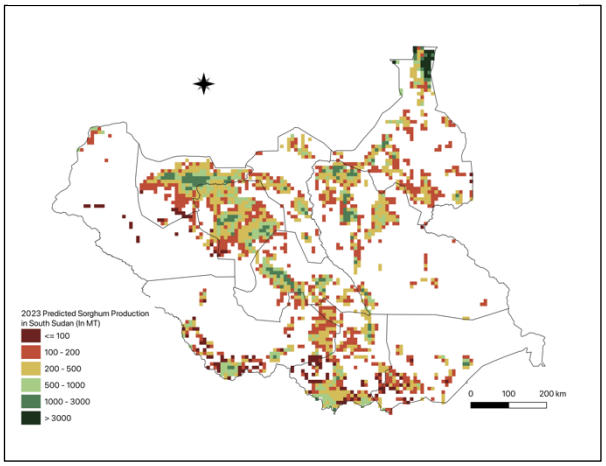
Figure 1. *South Sudan 2024 Sorghum Production Forecast.*



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

In 2024, sorghum production in South Sudan is projected to increase by 11% over 2023 production levels, with an annual production of 865,501 metric tons (MT). Production in areas such as Al Renk (Upper Nile), Warab (Warap), Wanjuk (North Bahr-al-Ghazal), Gogrial (Warap), and Tonj (Warap) is expected to be higher, with levels estimated at 92,496 MT, 52,760 MT, 41,999 MT, 41,872 MT, and 40,117 MT, respectively. In comparison, lower production values are observed in Faring (Unity), Al Mabien (Upper Nile), Magwi (Eastern Equatoria), Nahr Atiem (Jungoli), and Pibor (Jungoli), with production of 2,090 MT, 2,987 MT, 4,109 MT, 4,198 MT, and 4,411 MT, respectively.

Figure 2. *South Sudan 2023 Sorghum Production Forecast.*



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

Moreover, significant sorghum production increases in 2024 compared to 2023 are expected in areas such as Gogrial, Warab, Baleit (Upper Nile), Aweil (North Bahr-al-Ghazal), and Terkaka (Central Equatoria), with differences of respectively 11,213 MT, 9,710 MT, 8,223 MT, 7,880 MT, and 6,299 MT, corresponding to changes of 37%, 23%, 63%, 31%, and 36%.

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Annex – 2024 South Sudan Sorghum Production Forecast at District Level

States	Counties	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Central Equatoria	Bahr al Jabal	16691	15891	800	5%
Central Equatoria	Kajo Kaii	6624	7921	-1297	-16%
Central Equatoria	Nahr Yei	26907	34379	-7472	-22%
Central Equatoria	Terkaka	23978	17679	6299	36%
Eastern Equatoria	Amatonge	8991	10422	-1431	-14%
Eastern Equatoria	Kapoeta	7672	5457	2216	41%
Eastern Equatoria	Magwi	4109	6562	-2453	-37%
Eastern Equatoria	Shokodom	6074	3931	2143	55%
Jungoli	Akobo	18133	14023	4110	29%
Jungoli	Ayod	38799	33048	5751	17%
Jungoli	Bor	11882	8998	2884	32%
Jungoli	Fam al Zaraf	36342	33122	3220	10%
Jungoli	Nahr Atiem	4198	3193	1005	31%
Jungoli	Pibor	4411	3819	592	16%
Jungoli	Wat	22873	17468	5405	31%
Lakes	Aliab	8508	5381	3127	58%
Lakes	Rumbek	29894	26352	3542	13%
Lakes	Shobet	22283	19338	2945	15%
Lakes	Yerol	21648	17570	4078	23%
North Bahr-al-Ghazal	Aryat	11167	9243	1925	21%
North Bahr-al-Ghazal	Aweil	33104	25225	7880	31%
North Bahr-al-Ghazal	Nahr Lol	22494	17521	4973	28%
North Bahr-al-Ghazal	Wanjuk	41999	38812	3187	8%
Unity	Al Leiri	17992	15077	2915	19%
Unity	Al Mayom	6755	5069	1686	33%
Unity	Faring	2090	1879	211	11%
Unity	Rabkona	16183	14085	2098	15%
Upper Nile	Al Mabien	2987	1985	1003	51%
Upper Nile	Al Renk	92496	112205	-19709	-18%
Upper Nile	Baleit	21364	13141	8223	63%
Upper Nile	Fashooda	15256	13401	1856	14%
Upper Nile	Malut	12469	6961	5508	79%
Upper Nile	Mayot	7765	6460	1305	20%
Upper Nile	Sobat	18294	12383	5911	48%
Upper Nile	Tonga	14274	10446	3828	37%
Warap	Gogrial	41872	30659	11213	37%
Warap	Malek	10870	8578	2292	27%
Warap	Tonj	40117	34466	5651	16%
Warap	Warab	52760	43050	9710	23%
West Bahr-al-Ghazal	Raja	7162	5758	1404	24%
West Bahr-al-Ghazal	Wau	4494	5331	-836	-16%
West Equatoria	Meridi	6613	11895	-5282	-44%
West Equatoria	Mundri	26538	23726	2812	12%
West Equatoria	Tombura	5337	11659	-6322	-54%
West Equatoria	Yambio	13032	19469	-6437	-33%
Total		**865501**	**783038**	**82469**	**11%**

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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