



AAGWa Crop Production Forecasts Brief Series South Sudan - Sorghum

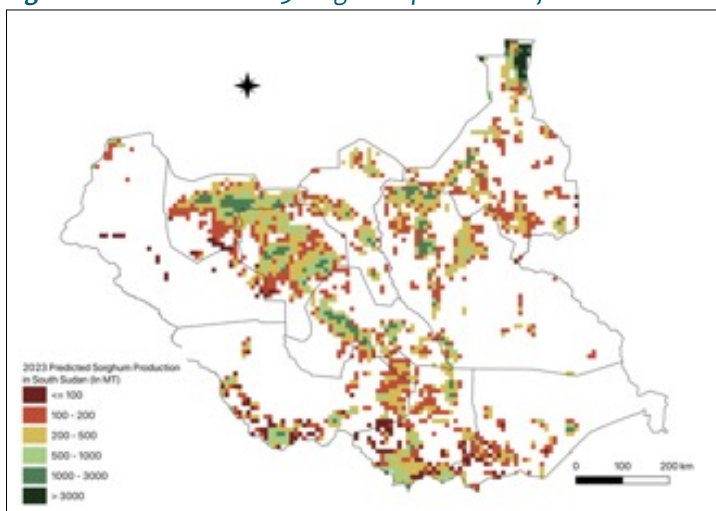
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The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, 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-

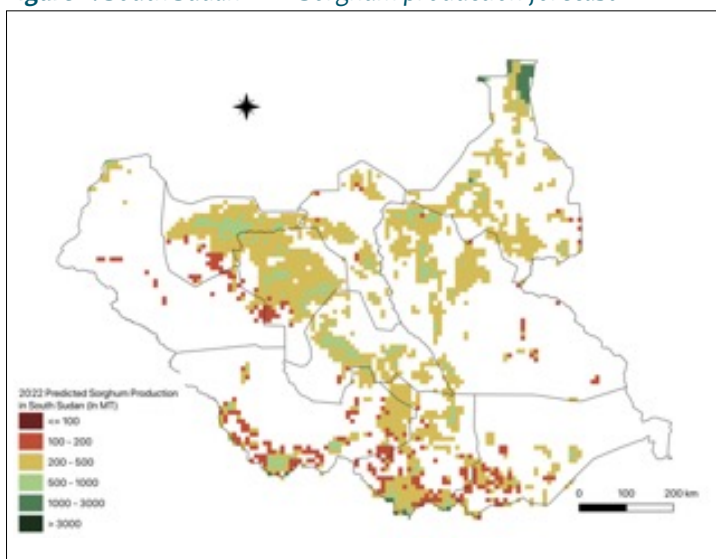
based) model applied to remotely sensed geobiophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 84, we provide forecasts on sorghum production in South Sudan.

Figure 1. South Sudan 2023 Sorghum production forecast.



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

Figure 2. South Sudan 2022 Sorghum production forecast.



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

In 2023, sorghum production in South Sudan is projected to increase by 17% over 2022 production levels, with an annual production of 783,037 metric tons (MT). Production in areas such as Al Renk (Upper Nile), Warab (Warap), Wanjuk (North Bahr-al-Ghazal), Tonj (Warap), and Nahr Yei (Central Equatoria), is expected to be higher, with levels estimated at 112,205 MT, 43,050 MT, 38,812 MT, 34,466 MT, and 34,379 MT, respectively. In comparison, lower production values are observed in Faring (Unity), Al Mabien (Upper Nile), Nahr Atiem (Jungoli), Pibor (Jungoli), and Shokodom (Eastern Equatoria), with production of, respectively, 1,879 MT, 1,985 MT, 3,193 MT, 3,819 MT, and 3,931 MT.

Moreover, significant sorghum production increases in 2023 compared to 2022 are expected in areas such as Al Renk, Wanjuk, Fam al Zaraf (Jungoli), Nahr Yei, and Tonj with differences of respectively 49,521 MT, 11,271 MT, 7,368 MT, 5,660 MT, and 5,603 MT, corresponding to changes of respectively, 79%, 41%, 29%, 20%, and 19%.

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Annex – 2023 South Sudan Sorghum Production Forecast at District level

States	Counties	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Central Equatoria	Bahr al Jabal	15891	17812	-1921	-11%
Central Equatoria	Kajo Kaii	7921	6565	1356	21%
Central Equatoria	Nahr Yei	34379	28719	5660	20%
Central Equatoria	Terkaka	17679	17196	484	3%
Eastern Equatoria	Amatonge	10422	11655	-1233	-11%
Eastern Equatoria	Kapoeta	5457	4279	1178	28%
Eastern Equatoria	Magwi	6562	7733	-1170	-15%
Eastern Equatoria	Shokodom	3931	4619	-687	-15%
Jungoli	Akobo	14023	12666	1357	11%
Jungoli	Ayod	33048	28234	4814	17%
Jungoli	Bor	8998	7310	1689	23%
Jungoli	Fam al Zaraf	33122	25755	7368	29%
Jungoli	Nahr Atiem	3193	3495	-302	-9%
Jungoli	Pibor	3819	4460	-640	-14%
Jungoli	Wat	17468	15954	1515	9%
Lakes	Aliab	5381	5470	-89	-2%
Lakes	Rumbek	26352	21324	5027	24%
Lakes	Shobet	19338	15167	4171	28%
Lakes	Yerol	17570	14894	2676	18%
North Bahr-al-Ghazal	Aryat	9243	7584	1659	22%
North Bahr-al-Ghazal	Aweil	25225	26208	-983	-4%
North Bahr-al-Ghazal	Nahr Lol	17521	13863	3658	26%
North Bahr-al-Ghazal	Wanjuk	38812	27541	11271	41%
Unity	Al Leiri	15077	13551	1527	11%
Unity	Al Mayom	5069	5636	-567	-10%
Unity	Faring	1879	1866	12	1%
Unity	Rabkona	14085	12909	1176	9%
Upper Nile	Al Mabien	1985	2569	-584	-23%
Upper Nile	Al Renk	112205	62683	49521	79%
Upper Nile	Baleit	13141	14172	-1031	-7%
Upper Nile	Fashooda	13401	9154	4247	46%
Upper Nile	Malut	6961	8212	-1251	-15%
Upper Nile	Mayot	6460	6672	-212	-3%
Upper Nile	Sobat	12383	14299	-1916	-13%
Upper Nile	Tonga	10446	9666	781	8%
Warap	Gogrial	30659	27512	3147	11%
Warap	Malek	8578	6832	1746	26%
Warap	Tonj	34466	28863	5603	19%
Warap	Warab	43050	39429	3621	9%



West Bahr-al-Ghazal	Raja	5758	6287	-529	-8%
West Bahr-al-Ghazal	Wau	5331	6741	-1410	-21%
West Equatoria	Meridi	11895	10433	1462	14%
West Equatoria	Mundri	23726	24495	-769	-3%
West Equatoria	Tombura	11659	11504	155	1%
West Equatoria	Yambio	19469	15109	4360	29%
Total		783037	667093	115944	17%

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.

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