Africa Agriculture Watch
By AKADEMIYA2063

AAgWa Crop Production Forecasts Brief Series

South Sudan – Maize

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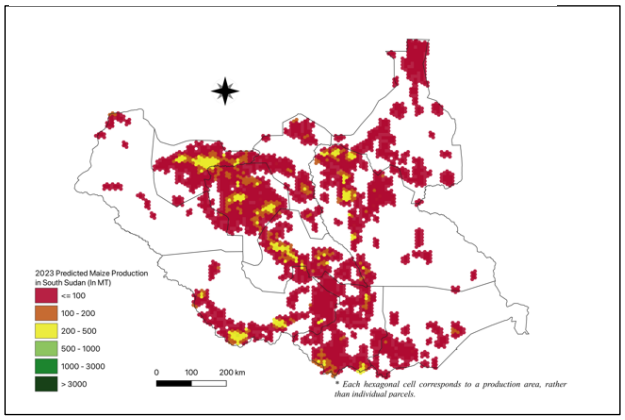
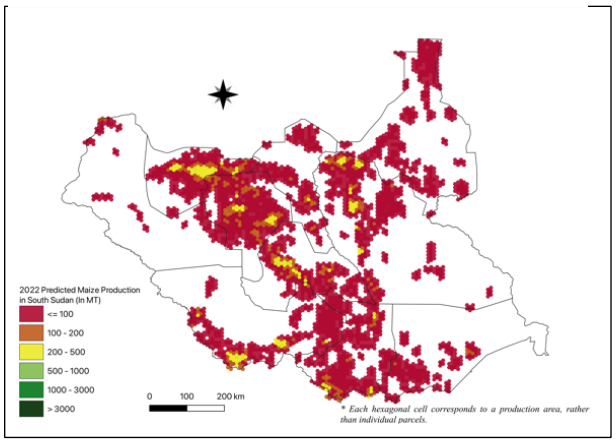
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAgWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow 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 geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 102, we provide forecasts on Maize production in South Sudan.

***Figure 1**. South Sudan 2023 Maize production forecast.*



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

***Figure 2**. South Sudan 2022 Maize production forecast.*



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

In 2023, maize production in South Sudan is projected to reach 110,546 metric tons (MT), indicating a 11% increase over 2022 production levels. However, the most significant production levels are expected in Wanjuk (North Bahr-al-Ghazal), Warab, Fam al Zaraf (Jungoli), Tonj (Warap), Ayod (Jungoli), and Yambio (West Equatoria), with production levels estimated at 9,088 MT, 7,605 MT, 7,307 MT, 6,900 MT, 6,464 MT, and 5,935 MT, respectively. In comparison, lower production values are observed in the Upper Nile areas such as in Al Mabien (Upper Nile), Malut (Upper Nile), Mayot (Upper Nile), Fashooda (Upper Nile), and Tonga (Upper Nile), with production levels of, respectively, 43 MT, 107 MT, 118 MT, 118 MT, and 205 MT

Compared to 2022, the most significant maize production increases in 2023 are expected to occur in Warab, Nahr Yei (Central Equatoria), Wanjuk (North Bahr-al-Ghazal), Tonj, Fam al Zaraf, and Yambio with differences reaching, 778 MT, 735 MT, 724 MT, 686 MT, 613 MT, and 587 MT. These correspond to changes of, respectively, 11%, 15%, 9%, 11%, 9%, and 11%.

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Annex – 2023 South Sudan Maize Production Forecast at District level

States	Cities	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Central Equatoria	Bahr al Jabal	1564	1364	200	15%
Central Equatoria	Kajo Kaii	1694	1492	203	14%
Central Equatoria	Nahr Yei	5624	4889	735	15%
Central Equatoria	Terkaka	2370	2161	208	10%
Eastern Equatoria	Amatonge	1230	1066	164	15%
Eastern Equatoria	Kapoeta	687	630	57	9%
Eastern Equatoria	Magwi	824	714	109	15%
Eastern Equatoria	Shokodom	302	277	25	9%
Jungoli	Akobo	2204	1975	229	12%
Jungoli	Ayod	6464	5897	567	10%
Jungoli	Bor	1417	1272	146	11%
Jungoli	Fam al Zaraf	7307	6694	613	9%
Jungoli	Nahr Atiem	349	309	40	13%
Jungoli	Pibor	476	415	62	15%
Jungoli	Wat	2429	2140	289	13%
Lakes	Aliab	591	531	59	11%
Lakes	Rumbek	5324	4813	510	11%
Lakes	Shobet	4438	4038	400	10%
Lakes	Yerol	2952	2651	301	11%
North Bahr-al-Ghazal	Aryat	1728	1576	152	10%
North Bahr-al-Ghazal	Aweil	3582	3267	314	10%
North Bahr-al-Ghazal	Nahr Lol	3357	3052	305	10%
North Bahr-al-Ghazal	Wanjuk	9088	8363	724	9%
Unity	Al Leiri	2325	2082	243	12%
Unity	Al Mayom	576	517	60	12%
Unity	Faring	242	217	26	12%
Unity	Rabkona	2100	1875	225	12%
Upper Nile	Al Mabien	43	41	2	5%
Upper Nile	Al Renk	572	595	-23	-4%
Upper Nile	Baleit	255	265	-9	-4%
Upper Nile	Fashooda	118	123	-5	-4%
Upper Nile	Malut	107	112	-5	-4%
Upper Nile	Mayot	118	112	5	5%
Upper Nile	Sobat	252	245	7	3%
Upper Nile	Tonga	205	214	-9	-4%
Warap	Gogrial	5629	5061	569	11%
Warap	Malek	1664	1493	171	11%
Warap	Tonj	6900	6213	686	11%
Warap	Warab	7605	6826	778	11%
West Bahr-al-Ghazal	Raja	659	602	58	10%
West Bahr-al-Ghazal	Wau	713	630	82	13%
West Equatoria	Meridi	3332	2965	367	12%
West Equatoria	Mundri	3082	2706	376	14%
West Equatoria	Tombura	2116	1827	290	16%
West Equatoria	Yambio	5935	5348	587	11%
Total		**110546**	**99653**	**10894**	**11%**

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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