



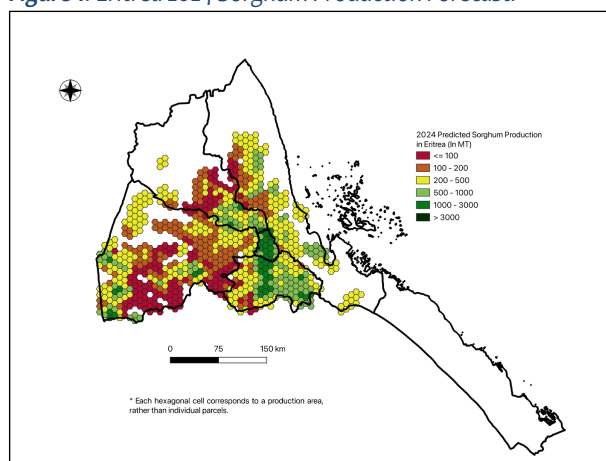
AAGWa Crop Production Forecasts Brief Series Eritrea – Sorghum

Mansour Dia*, Khadim Dia**, and Aïssatou Ndoeye***

No. 220, November 2024

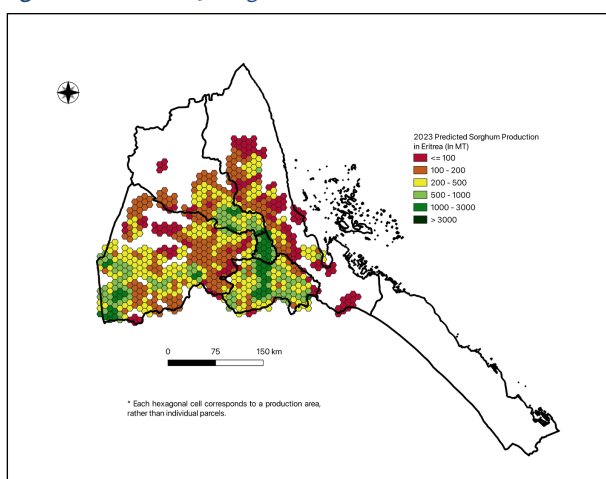
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly 50

Figure 1. Eritrea 2024 Sorghum Production Forecast.



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

Figure 2. Eritrea 2023 Sorghum Production Forecast.



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

differences of 4,366 MT, 2,788 MT, 2,752 MT, 2,513 MT, and 1,982 MT, respectively. These correspond to changes of 84 %, 171 %, 166 %, 110 %, and 41 %.

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 220, we provide forecasts on sorghum production in Eritrea.

In 2024, sorghum production in Eritrea is projected to reach 184,280 metric tons (MT), a 5% decrease over 2023 production levels. The highest sorghum producers are expected to be Omhajer (Gash Barka), Serejeka (Maekel), Afabet (Semenawi Keyih Bahri), Mendefera (Debub), and Dibarwa (Debub), with production levels estimated at 16,302 MT, 10,195 MT, 9,564 MT, 8,626 MT, and 8,357 MT. In contrast, lower production values are observed at Habero (Anseba), Karora (Semenawi Keyih Bahri), Mogolo (Gash Barka), Barentu (Gash Barka), and Sel'a (Anseba) with production of respectively, 689 MT, 635 MT, 591 MT, 426 MT, and 281 MT.

Compared to 2023, the most significant sorghum production increases in 2024 are expected in districts such as Afabet (Semenawi Keyih Bahri), Foro (Semenawi Keyih Bahri), Sheib (Semenawi Keyih Bahri), Ghida'e (Semenawi Keyih Bahri), and Tsorena (Debub), with

*Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

**Senior Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

***Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063



Annex – 2024 Eritrea Sorghum Production Forecast at District Level

Regions	Sub-regions	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Anseba	Adi Teklezan	2669	2944	-275	-9%
Anseba	Asmat	1939	2910	-972	-33%
Anseba	Elabered	3387	3788	-400	-11%
Anseba	Gheleb	1028	1197	-169	-14%
Anseba	Habero	689	880	-191	-22%
Anseba	Hagaz	6894	8232	-1337	-16%
Anseba	Halhal	3768	4888	-1119	-23%
Anseba	Keren	743	966	-223	-23%
Anseba	Kerke Bet	1293	1081	211	20%
Anseba	Sel`a	281	60	222	372%
Debub	Adi Keyih	5640	3846	1794	47%
Debub	Adi Kwala	6421	6866	-445	-6%
Debub	Areza	3270	4338	-1068	-25%
Debub	Dekemehare	4986	4398	588	13%
Debub	Dibarwa	8357	9429	-1072	-11%
Debub	Kudo Bu`er	2648	3070	-422	-14%
Debub	May Mine	1952	3704	-1752	-47%
Debub	Mendefera	8626	9277	-651	-7%
Debub	Segeneyiti	4319	3336	983	29%
Debub	Senafe	6035	4229	1805	43%
Debub	Tsorena	6842	4860	1982	41%
Gash Barka	Akordat	1294	1223	71	6%
Gash Barka	Barentu	426	721	-294	-41%
Gash Barka	Dghe	989	867	123	14%
Gash Barka	Forto	3033	2018	1015	50%
Gash Barka	Gogne	2360	4621	-2262	-49%
Gash Barka	Haykota	2551	3498	-947	-27%
Gash Barka	La`Elay Gash	2461	7250	-4789	-66%
Gash Barka	Logo Anseba	2730	2441	289	12%
Gash Barka	Mansura	7805	7520	286	4%
Gash Barka	Mogolo	591	707	-116	-16%
Gash Barka	Omhajer	16302	25979	-9677	-37%
Gash Barka	Shemboko	6787	8899	-2112	-24%
Gash Barka	Teseneye	7377	8563	-1186	-14%
Maekel	Berikh	5859	6272	-412	-7%
Maekel	Ghala Nefhi	5037	5182	-145	-3%
Maekel	Serejeka	10195	10946	-751	-7%
Semenawi Keyih Bahri	Afabet	9564	5198	4366	84%
Semenawi Keyih Bahri	Foro	4420	1632	2788	171%
Semenawi Keyih Bahri	Ghelaelo'	1686	145	1541	1063%
Semenawi Keyih Bahri	Ghida`e	4807	2293	2513	110%
Semenawi Keyih Bahri	Karora	635	180	455	253%
Semenawi Keyih Bahri	Nakfa	1174	1049	125	12%
Semenawi Keyih Bahri	Sheib	4410	1659	2752	166%
Total		184280	193162	-8878	-5%

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.



Suggested Citation: M. Dia, K. Dia, and A. Ndoeye. 2024. AAgWa Crop Production Forecasts Brief Series: Eritrea – Sorghum. AAgWa Crop Production Forecasts Brief Series, No. 220. Kigali: AKADEMIYA2063.
<https://doi.org/10.54067/acpf.220>