



AAGWa Crop Production Forecasts Brief Series

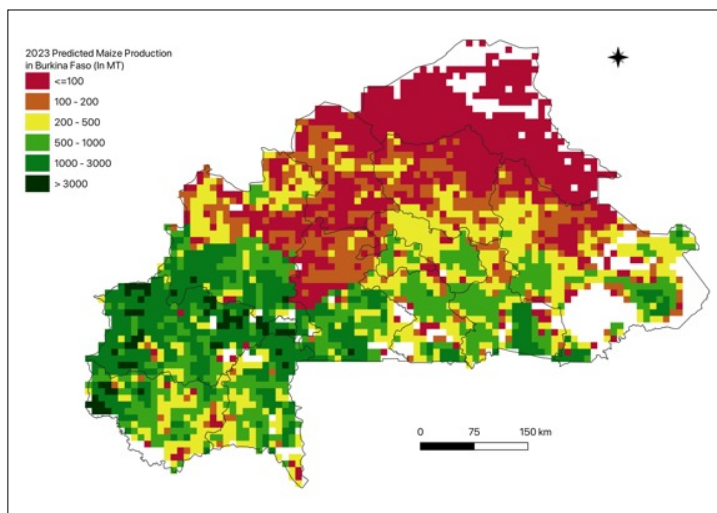
Burkina Faso – Maize

Aissatou Ndoye*, Mansour Dia **, and Khadim Dia***

No. 29, July 2023

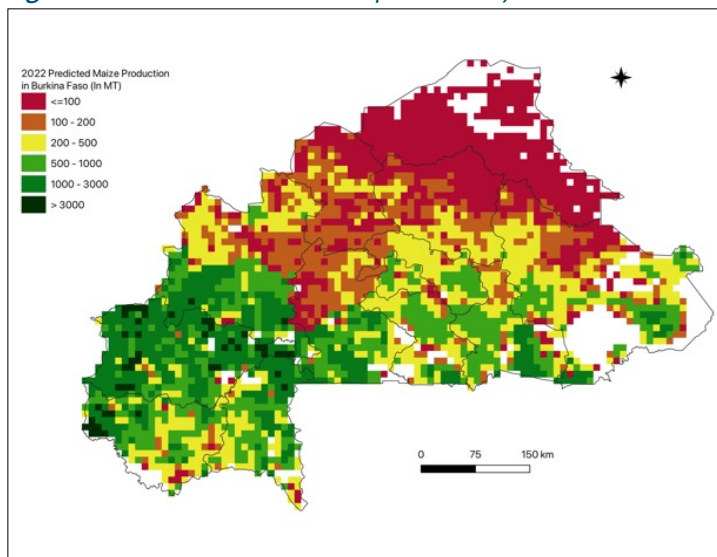
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow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

Figure 1. Burkina Faso 2023 maize production forecast.



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

Figure 2. Burkina Faso 2022 maize production forecast.



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

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 29, we provide forecasts on maize production in Burkina Faso.

In 2023, maize production in Burkina Faso is projected to reach 1,713,967 metric tons, indicating a 3% increase over 2022 production levels. The most significant production levels are expected in the Western and Southwest provinces, particularly in Kénédougou (Haut-Bassins), Houet (Haut-Bassins), Tuy (Haut-Bassins), Comoé (Cascades), Banwa (Boucle du Mouhoun), Sissili (Centre-Ouest), and Léraba (Cascades), with production levels estimated at 215,696 MT, 155,606 MT, 135,020 MT, 109,123 MT, 104,016 MT, 80,953 MT, and 75,655 MT, respectively. In comparison, lower production values are observed in provinces such as Oudalan (Sahel), Séno (Sahel), Loroum (Nord), Zondoma (Nord), Yagha (Sahel), and Kourwéogo (Plateau-Central), with production levels of, respectively, 405 MT, 1,104 MT, 1,792 MT, 1,811 MT, 1,963 MT, and 2,734 MT.

Compared to 2022, the most significant maize production increases in 2023 are expected to occur in Kénédougou (Haut-Bassins), Tuy (Haut-Bassins), Banwa (Boucle du Mouhoun), Houet (Haut-Bassins), Comoé (Cascades), and Balé (Boucle du Mouhoun), with differences reaching, 9,788 MT, 6,913 MT, 5,223 MT, 4,356 MT, 4,248 MT, and 3,958 MT. These correspond to changes of 5%, 5%, 5%, 3%, 4%, and 5%, 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 – 2023 Burkina Faso Maize Production Forecast at District level

Regions	Provinces	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Boucle du Mouhoun	Balé	74241	70283	3958	5%
Boucle du Mouhoun	Banwa	104016	98793	5223	5%
Boucle du Mouhoun	Kossi	18352	20587	-2236	-12%
Boucle du Mouhoun	Mouhoun	60086	58004	2082	3%
Boucle du Mouhoun	Nayala	4349	5177	-828	-19%
Boucle du Mouhoun	Sourou	18286	18614	-328	-2%
Cascades	Comoé	109123	104876	4248	4%
Cascades	Léraba	75655	74656	999	1%
Centre	Kadiogo	13525	13893	-369	-3%
Centre-Est	Boulgou	44839	43881	958	2%
Centre-Est	Koulpélogo	50247	47981	2266	5%
Centre-Est	Kouritenga	7202	7522	-320	-4%
Centre-Nord	Bam	7346	6694	652	9%
Centre-Nord	Namentenga	9212	9112	100	1%
Centre-Nord	Sanmatenga	15717	15310	407	3%
Centre-Ouest	Boulkiemdé	8732	9643	-911	-10%
Centre-Ouest	Sanguié	4784	6202	-1417	-30%
Centre-Ouest	Sissili	80953	77737	3216	4%
Centre-Ouest	Ziro	40421	39492	929	2%
Centre-Sud	Bazèga	18680	18907	-228	-1%
Centre-Sud	Nahouri	28228	27376	852	3%
Centre-Sud	Zoundwéogo	20859	20537	323	2%
Est	Gnagna	20454	20735	-281	-1%
Est	Gourma	43880	43105	775	2%
Est	Komandjoari	5923	5577	347	6%
Est	Kompienga	24524	23664	861	4%
Est	Tapoa	58619	56359	2260	4%
Haut-Bassins	Houet	155606	151250	4356	3%
Haut-Bassins	KénéDougou	215696	205909	9788	5%
Haut-Bassins	Tuy	135020	128106	6913	5%
Nord	Loroum	1792	996	796	44%
Nord	Passoré	4187	5285	-1099	-26%
Nord	Yatenga	12436	13055	-619	-5%
Nord	Zondoma	1811	2304	-493	-27%
Plateau-Central	Ganzourgou	26509	26018	491	2%
Plateau-Central	Kourwéogo	2734	3261	-527	-19%
Plateau-Central	Oubritenga	11302	11528	-227	-2%
Sahel	Oudalan	405	0	405	100%
Sahel	Séno	1104	109	996	90%
Sahel	Soum	3750	601	3149	84%
Sahel	Yagha	1963	1827	135	7%



Sud-Ouest	Bougouriba	36449	35053	1396	4%
Sud-Ouest	Ioba	58995	55754	3241	5%
Sud-Ouest	Noumbiel	16779	16078	701	4%
Sud-Ouest	Poni	59176	57729	1447	2%
Total		1713967	1659581	54386	3%

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.

Suggested Citation: Ndoye, A., M. Dia, and K. Dia. 2023. AAgWa Crop Production Forecasts Brief Series: Burkina Faso – Maize. AAgWa Crop Production Forecasts Brief Series, No. 29. Kigali, Rwanda: AKADEMIYA2063. <https://doi.org/10.54067/acpf.29>