



AAGWa Crop Production Forecasts Brief Series

Mali - Millet

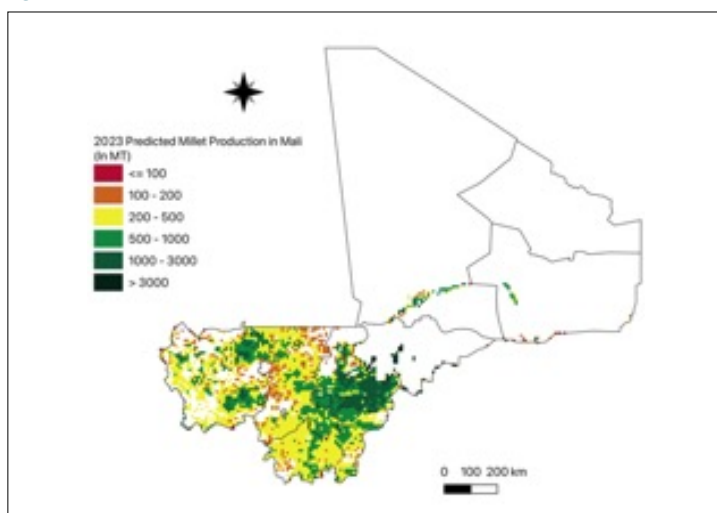
Aissatou Ndoye*, Mansour Dia **, and Khadim Dia***

No. 36, August 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

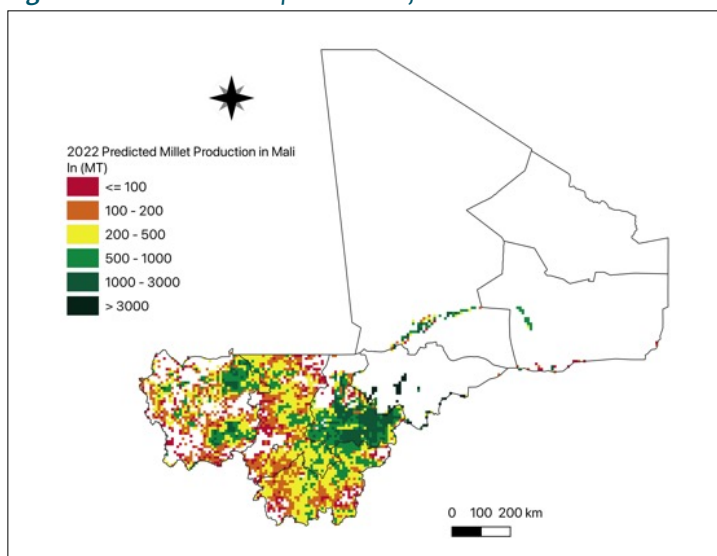
(AI-based) model applied to remotely sensed geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 36, we provide forecasts on millet production in Mali.

Figure 1. Mali 2023 millet production forecast.



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

Figure 2. Mali 2022 millet production forecast.



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

In 2023, millet production in Mali is projected to reach 1,874,717 metric tons (MT), corresponding to a 12% increase over 2022 production levels. The southern part of the country is expected to produce the most significant volumes of millet, particularly in Kita (Kayes), Ségou, Nara (Koulikoro), San (Ségou), and Diéma (Kayes), with production levels estimated at 143,088 MT, 118,468 MT, 98,291 MT, 97,635 MT, and 94,809 MT, respectively. In contrast, lower production values are observed in Douentza (Mopti), Ménaka (Gao), Youwarou (Mopti), Bourem (Gao), Ansongo (Gao), and Goundam (Timbuktu), with production values of, respectively, 161 MT, 489 MT, 1,931 MT, 3,275 MT, 4,197 MT, and 4,745 MT.

However, districts such as Kita (Kayes), Bougouni (Sikasso), Sikasso, Nara (Koulikoro), Dioïla (Koulikoro), and Bafoulabé (Kayes) are expected to have the most significant increases of millet production volumes in 2023, with differences of, 26,972 MT, 25,674 MT, 19,033 MT, 17,354 MT, 17,094 MT, and 15,747 MT, respectively. They similarly correspond to changes of, respectively, 23%, 41%, 35%, 21%, 27%, and 37%.

*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 Mali Millet Production Forecast at District level

Regions	Districts	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Gao	Ansongo	4197	4177	19	0%
Gao	Bourem	3275	3963	-688	-17%
Gao	Gao	5346	6456	-1110	-17%
Gao	Ménaka	489	565	-76	-14%
Kayes	Bafoulabé	58740	42993	15747	37%
Kayes	Diéma	94809	88715	6094	7%
Kayes	Kayes	55066	42670	12396	29%
Kayes	Kéniéba	20939	11849	9090	77%
Kayes	Kita	143088	116116	26972	23%
Kayes	Nioro	47526	44023	3502	8%
Kayes	Yélimané	7192	6341	852	13%
Koulikoro	Banamba	44346	35955	8390	23%
Koulikoro	Dioïla	81539	64445	17094	27%
Koulikoro	Kangaba	11419	6459	4960	77%
Koulikoro	Kati	38880	24457	14423	59%
Koulikoro	Kolokani	31493	21976	9518	43%
Koulikoro	Koulikoro	24797	18464	6334	34%
Koulikoro	Nara	98291	80937	17354	21%
Mopti	Bandiagara	11277	12864	-1587	-12%
Mopti	Bankass	25310	34654	-9344	-27%
Mopti	Djenné	33831	37807	-3976	-11%
Mopti	Douentza	161	119	42	35%
Mopti	Koro	34772	39848	-5076	-13%
Mopti	Mopti	55762	63770	-8008	-13%
Mopti	Ténenkou	55708	62611	-6903	-11%
Mopti	Youwarou	1931	2089	-158	-8%
Ségou	Barouéli	50646	46650	3996	9%
Ségou	Bla	84288	83157	1131	1%
Ségou	Macina	45579	45269	310	1%
Ségou	Niono	50526	49407	1118	2%
Ségou	San	97635	98386	-751	-1%
Ségou	Ségou	118468	114266	4202	4%
Ségou	Tominian	66293	63332	2961	5%
Sikasso	Bougouni	88167	62493	25674	41%
Sikasso	Kadiolo	22852	16580	6273	38%
Sikasso	Kolondiéba	37374	26824	10551	39%
Sikasso	Koutiala	72051	61400	10651	17%
Sikasso	Sikasso	73836	54804	19033	35%
Sikasso	Yanfolila	19758	12187	7571	62%
Sikasso	Yorosso	17267	13904	3363	24%
Timbuktu	Diré	11823	13656	-1833	-13%



Timbuktu	Goundam	4745	5498	-753	-14%
Timbuktu	Gourma-Rharous	8382	9979	-1597	-16%
Timbuktu	Niafunké	9650	10609	-959	-9%
Timbuktu	Tombouctou	5196	5986	-790	-13%
Total		1874717	1668708	206010	12%

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: Mali– Millet. AAgWa Crop Production Forecasts Brief Series, No. 36. Kigali: AKADEMIYA2063. <https://doi.org/10.54067/acpf.36>